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HANFORD FEDERAL FACILITY AGREEMENT

AND

CONSENT ORDER

VOLUME 2 OF 2

CALENDAR YEAR 1990 ANNUAL UPDATE



by

Washington State Department of Ecology

United States Environmental Protection Agency

> United States Department of Energy

> > March 1990

CALENDAR YEAR 1990 ANNUAL UPDATE

TO THE

HANFORD FEDERAL FACILITY AGREEMENT

AND CONSENT ORDER

Approved for Implementation:

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INTRODUCTION

This document constitutes a revision of the Hanford Federal Facility
Agreement and Consent Order (hereafter referred to as "the Agreement") Action
Plan. Section 11.3 of the Agreement Action Plan establishes the requirement
for an annual update to the Work Schedule which is contained as Appendix D
to the Action Plan. In addition, it is the intent of the Parties to maintain
Appendices B (Listing of Treatment, Storage, and Disposal Groups/Units), C
(Prioritized Listing of Operable Units), and E (Key Individuals) up-to-date
through the annual update process. Therefore, Appendices B, C, D, and E of
the Agreement Action Plan are being issued as a separate volume from the
rest of the Agreement.

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This revision supersedes Appendices B, C, D, and E currently contained in the May 1989 version of the Agreement. The next issue of the main Agreement document will not include these appendices, as they will be reissued annually through use of this revision. This revision is part of the Agreement Action Plan, and therefore the Agreement.

SUMMARY OF CHANGES

The following summarizes the changes made to Appendices B, C, D, and E as part of the Calendar Year 1990 annual update:

Appendix B- Listing of Treatment, Storage, and Disposal Groups/Units

- 1. Deleted TSD Group S-2-6, 2727-WA SRE Sodium Storage Building, and TSD Group S-3-3, 332 Storage Facility. These facilities were proposed along with three other TSD Groups for withdrawal of Part A permit applications in accomplishment of Milestone M-20-45. Ecology approved the withdrawal of these two facilities, but requested additional information on the remaining three.
- Added three additional units to TSD Group TS-2-3, B Plant, based on submittal of a revised Part A Permit Application.
- 3. Corrected the "Planned Action" for TSD Group TS-3-1, 300 Area Waste Acid System, from "Operating Permit" to "Closure", consistent with milestone M-20-10.
- 4. Revised "Planned Action" for TSD Group S-3-1, 303-K Contaminated Waste Storage Facility, from "Operating Permit" to "Closure". The plan is to "Clean Close" the facility in accordance with the Agreement, and then reuse the facility as a "Less than 90 Days Storage Facility".

Appendix C- Prioritized Listing of Operable Units

- Incorporated approved change package transferring the 241-TX-302B Catch Tank from operable unit 200-TP-5 to operable unit 200-TP-2.
- 2. Added 241-CX-71 Storage Tank to operable unit 200-SO-1.
- 3. Revised priority of Operable Unit 100-FR-1 from 9 to 10, and priority of Operable Unit 100-NR-3 from 10 to 9. This was done to allow 100-NR-3 to be investigated concurrently with an adjacent Operable Unit 100-NR-1, which is priority 8.

Appendix D- Work Schedule

<u></u>

In accordance with section 11.3 of the Agreement Action Plan, the Work Schedule has been updated to reflect an additional year (Calendar Year 1996) and has been expanded to show additional target dates in the current year (1990) and the next year (1991). Milestone changes which have been processed and approved in accordance with section 12.0 of the Action Plan have been incorporated. Outyear target dates have been adjusted based on current plans. The following discusses the significant changes which have been made:

- 1. M-01-05 and M-02-02-- Incorporated approved change package which corrected the term "Bi-Annually" to "Biennially". Biennial is the correct term for describing events such as Milestone M-01-05 and M-02-02 which were intended by the three parties to occur once every two years.
- 2. M-12-00-- Deleted all activities following approval of Work Plans. Characterization and remediation activities are now shown under M-15-00 and M-16-00 respectively.
- 3. M-12-03-- The review and approval cycle for the 300-FF-1 Operable Unit Work Plan has been extended 4-1/2 months in order to coincide with the review and approval of the 300-FF-5 groundwater operable unit. This is consistent with the need to coordinate groundwater operable units with the initial source operable unit work plan. For example, 100-HR-1 and 100-HR-3 are scheduled concurrently.
- 4. M-12-05 and M-12-06-- The review and approval cycle for the 100-HR-1 and 100-HR-3 Operable Unit Work Plans has been extended 3 months to allow additional time to ensure that the requirements of both RCRA and CERCLA are satisfied. These are the first operable units being investigated under RCRA Corrective Action authority. CERCLA guidance was used in preparing the work plans.
- 5. M-12-07-- The review of the 100-DR-1 Operable Unit Work Plan has been deferred until questions associated with the 100-HR-1 and 100-HR-3 Work Plans have been addressed. See Item #4 above. The overall day in approval is expected to be 5-1/2 months.
- 6. M-12-13 and M-12-14-- Consistent with the change in priorities for Operable Units 100-FR-1 and 100-NR-3, and the approved change package; 1) changed Work Plan submittal date for 100-FR-1 from Feb. 1991 to April 1991, and 2) changed Work Plan submittal date for 100-NR-3 from April 1991 to Dec. 1990.
- 7. M-15-01-- Schedule for 1100-EM-1 operable unit investigation revised based on approved change which incorporated the schedule contained in the approved work plan.
- 8. M-17-00-- Significant changes have been made to target dates to better reflect the actual plan. This problem was pointed out in previously issued Quarterly Progress Reports. No milestones have been changed.
- 9. M-23-00-- Twenty interim milestones have been added based on an approved change package. This is the result of completing milestone M-22-00, which requires that enforceable compliance schedules be established. In addition, numerous target dates have been incorporated reflecting specific actions leading towards completion of the milestones. Incorporation of these interim milestones and target dates replaces Table D-4 which has been deleted from Appendix D.

10. M-24-00-- Location and number of groundwater wells for CY 1991 have been included as interim milestones based on an approved change package.

Appendix E- Key Individuals

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- 1. Steve Wisness has replaced Roger Freeberg as the DOE Project Manger.
- 2. Tim Nord has replaced Roger Stanley as Ecology Project Manager.
- Grechen Schmidt has replaced Claire Rowlett as the EPA Community Relations Contact.
- 4. Mary Kelly has replaced Jerry Gilliland as the Ecology Community Relations Contact.

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APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 1 of 11)

Treatment	., Storage, and Disposal		Planned Action	
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
D-1-1	100-D Ponds (120-D-1)	100-DR-1	Х	
T-1-1	105-DR (122-DR-1) Sodium Fire Facility		X	
0-1-2	1301-N/1325-N Liquid Waste Disposal Facilities	100-NR-1	X	•
	116-N-1 Crib 116-N-3 Crib			
Г-1-2	1324-N/1324-NA Liquid Waste Facilities	100-NR-3	X	
	120-N-1 Pond 120-N-2 Neutralization Unit			
Γ-1-3**	1706-KE Treatment Facility (116-KE6 A-D)	:	X	
	1706-KE Waste Accumulation Tank 1706-KE Ion Exchange Column 1706-KE Solidification Unit (Evaporator) 1706-KE Condensate Tank			
T-1-4	183-H Solar Evaporation Basins (116-H-6)	100-HR-1	X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 2 of 11)

Treatment	, Storage, and Disposal		Planne	d Action
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
T-2-1	200-E8 Borrow Pit Demolition Site		Х	
T-2-2	200-W Ashpit Demolition Site		X	
T-2-3***	204-AR Waste Unloading Station			Treatment
D-2-1	2101-M Pond		X	
D-2-2	216-A-10 Crib	200-PO-2	X	
D-2-3	216-A-29 Ditch	200-P0 - 5	X	
D-2-4	216-A-36B Crib	200-P0-2	X	
D-2 -5	216-B-3 Pond System:	200-BP-11	X	
	216-B-3 Pond 216-B-3A Pond 216-B-3B Pond 216-B-3C Pond 216-B-3-3 Ditch		•	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 3 of 11)

Twoatman	t, Storage, and Disposal		Planned Action		
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit	
S-2-3	Double-Shell Tanks 241-AN Farm (7 tanks) 241-AP Farm (8 tanks) 241-AW Farm (6 tanks) 241-AY Farm (2 tanks) 241-AZ Farm (2 tanks) 241-SY Farm (3 tanks) 241-EW-151 Vent Station Catch Tank 244-AR Vault 244-CR Vault 244-TX Receiver Tank 244-BX Receiver Tank 244-B Receiver Tank 244-A Receiver Tank			Storage	
D-2-6	216-B-63 Trench	200-BP-8	Х		
D-2-7	216-S-10 Pond and Ditch	200-R0-1	X		
	216-S-10D Ditch 216-S-10P Pond				

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 4 of 11)

Treatment	t, Storage, and Disposal		Plann	Planned Action	
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit	
D-2-8	216-U-12 Crib	200-UP-2	X		
D-2 - 9	Low-Level Burial Grounds				
	218-E-10 218-E-12B 218-W-3A 218-W-3AE 218-W-4B 218-W-4C 218-W-5 218-W-6	- · •		Landfill Landfill Landfill Landfill Landfill Landfill Landfill	
S-2-1	Purex Tunnels 1 and 2			Storage	
	218-E-14 218-E-15				
T-2-4**	221-T Containment System Test Facility		X	·	
TS-2-1	222-S Laboratories Treatment Tanks and Storage Building				
	222-S Storage Pad *** 219-S Hot Waste Facility Tank 102 *** 219-S Hot Waste Facility Tank 103			Storage Treatment Treatment	

APPENDIX B
Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 5 of 11)

-	Chause and Dienocal		Plann	ed Action
<u>Ireatment</u> Group Number	<u>, Storage, and Disposal</u> Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
S-2-2	224-T Transuranic Storage and Assay Facility (TRUSAF)			Storage
S-2-4	Single-Shell Tanks		Х	
	241-A Farm (6 tanks) 241-AX Farm (4 tanks) 241-B Farm (16 tanks) 241-BX Farm (12 tanks) 241-BY Farm (12 tanks) 241-C Farm (16 tanks) 241-S Farm (12 tanks) 241-SX Farm (15 tanks) 1241-T Farm (16 tanks) 241-TX Farm (18 tanks) 241-TY Farm (6 tanks) 241-U Farm (16 tanks)	200-P0-3 200-BP-7 200-BP-7 200-BP-7 200-P0-3 200-R0-4 200-R0-4 200-TP-6 200-TP-5 200-TP-5 200-UP-3		
T-2-5***	241-Z Treatment Tank (D-5)			Treatment
T-2-6	242-A Evaporator			Treatment
S-2-5	2727-S Nonradioactive Dangerous Waste Storage Facility		X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 6 of 11)

Treatmen [*]	t, Storage, and Disposal		Plann	ed Action
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
TS-2-2	Hexone Storage and Treatment		X	
	276-S-141 Tank 276-S-142 Tank Railcar Storage Tanks (Future) Distillation System (Future) Incinerator (Future)	·		
T-3-1	300 Area Solvent Evaporator		X	
TS-3-1	300 Area Waste Acid System		. х	
	313 Building Waste Acid Neutralization Tank 313 Building Centrifuge 313 Filter Press 333 Building Chromium Treatment Tanks (2 tanks) 334-A Waste Acid Storage Tanks (3 tanks) ***311 Neutralized Waste Tanks (2 tanks)			

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 7 of 11)

- noatmont	, Storage, and Disposal		Plann	ed Action
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
5-3-1	303-K Contaminated Waste Storage Facility		X	
-3-2	303-M Uranium Oxide Facility			Treatment
rs- 3- 2	304 Concretion Facility and Storage Area		X	
	304 Concretion Facility 304 Storage Area		-	
5-3-2	305-B Storage Facility			Storage
)-3-1	300 Area Process Trenches (316-5)	300-FF-1	Х	
-3-3**	324 Sodium Removal Pilot Plant			Treatment
ī-3-4	325 Waste Treatment Facility			Treatment

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 8 of 11)

Treatmen	t. Storage, and Disposal		Planned Action	
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
TS-3-3	3718-F Alkali Metal Treatment and Storage Facility			
	3718-F Burn Shed 3718-F Treatment Tank #1 3718-F Treatment Tank #2 3718-F Alkali Metal Treatment Facility Storage			Treatment Treatment Treatment Storage
T-4-1	400 Area Maintenance and Storage Facility (MASF)	٠, ٠		Treatment
S-4-1	4843 FFTF Sodium Storage Facility		·	Storage
D-6-1	600 Area Nonradioactive Dangerous Waste Landfill	200-IU-3	X	
S-6-1	616 Nonradioactive Dangerous Waste Storage Facility			Storage
TS-2-3	B Plant			
	B Plant Waste Concentrator B Plant Settle and Decant Tank B Plant Filter B Plant Radioactive Organic Waste Solvent Tank #1			Treatment Treatment Treatment Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 9 of 11)

Tuestment	t Stanger and Disposal		Planne	d Action
Group Number	t, Storage, and Disposal Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
	B Plant Radioactive Organic Waste			Storage
	Solvent Tank #2 B Plant Radioactive Organic Waste			Storage
	Solvent Tank #3 B Plant Radioactive Organic Waste			Storage
	Solvent Tank #4 B Plant Radioactive Organic Waste			Storage
	Solvent Tank #5 B Plant Radioactive Organic Waste			Storage
	Solvent Tank #6 B Plant Radioactive Organic Waste			Storage
	Solvent Tank #7 B Plant Storage Area B Plant Waste Piles			Storage Storage
T-X-1	Biological Treatment Test Facilities			Treatment
TD-2-1	Grout			
	Grout Treatment Facility Grout Treatment Facility Landfill			Treatment Treatment/Landfill
TS-2-4	Hanford Central Waste Complex			
	Waste Receiving and Processing (WRAP) Facility (Future) Radioactive Mixed Waste Storage Facili	ty		Treatment Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 10 of 11)

Treatment	t, Storage, and Disposal		P1 anne	d Action
Group Number	Group/Units	Operable Unit (if applicable)	. Closure*	Operating Permit
TS-2-5	Hanford Waste Vitrification Plant (H (Future)	WVP)		Treatment/Storage
T-X-2	Physical and Chemical Treatment Test Facilities			Treatment
TS-2-6	Purex			
	*** Neutralization Tank E-5 *** E-F11 Concentrator *** Neutralization Tank G-7 Ammonia Distillate Treatment Sys *** Neutralization Tank F-18 *** Neutralization Tank F-15 *** Neutralization Tank F-16 *** Neutralization Tank U3 *** Neutralization Tank U4 Purex Waste Piles	tem (Future Tank)		Treatment Storage
TS-3-4	Simulated High-Level Waste Slurry Treatment and Storage		X (or)	Treatment/Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 11 of 11)

Treatment, Storage, and Disposal			Planned Action	
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
 Γ-2-7***	T Plant Treatment Tank			Treatment
-X-3	Thermal Treatment Test Facilities			Treatment
Γ-11-1	1100 Area Hanford Patrol Academy Demolition Area			Treatment

Post-Closure Permit required if closed as a land disposal unit in accordance with Subsection 6.3.3.

Part A permit application may be withdrawn because unit(s) never handled or never will handle hazardous waste. Part A permit application may be withdrawn due to reclassification of unit(s) as treatment by generator.

APPENDIX C Prioritized Listing of Operable Units. (sheet 1 of 28)

	Priority	Operable Unit	Title of Units	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit_Category</u>
	1	1100-EM-1	1100-1 1100-2 1100-3 Horn Rapids Disposal	Acid Pit Solvent Pit Antifreeze Pit Landfill	EPA	CPP CPP CPP CPP
			1100-4 UN-1100-5 UN-1100-6	Antifreeze Tan Spill Spill	k	CPP CPP CPP
	2	300-FF-1 (GW addressed by 300-FF-5)	300 Ash Pits 300 Filter Backwash Pond	Pit Pond	ЕРА	CPP CPP
w2:14		300-11-3)	300 Retired Filter Backwash	Pond		CPP
A.			300 Retired RLWS* 300 Area RLWS*	Sewer Sewer		CPP CPP
-			and 340 complex 300 Area sanitary	Sewer_		СРР
C			sewer system 307	Retention Basi	n	CPP
C .			316-1 316-2	Pond Pond		CPP CPP
حث			316-3 316-5	Trench Trench		CPP TSD (D-3-1)
			(300 Area Process 618-12	Burial Ground		CPP
*******			618-4 618-5	Burial Ground Burial Ground		CPP CPP
\bigcirc			UN-300-1 UN-300-11	Spill Spill		CPP CPP
0			UN-300-14 UN-300-2 UN-300-41	Spill Spill Spill		CPP CPP CPP
	2A	300-FF-5 (GW Operable Unit [O.U.])	300-FF-1 300-FF-2 300-FF-3	Source O.U. Source O.U. Source O.U.	ЕРА	CPP CPP CPP
	3	200-BP-1	216-B-43 216-B-44 216-B-45 216-B-46 216-B-47 216-B-48 216-B-49	Crib Crib Crib Crib Crib Crib	EPA	CPP CPP CPP CPP CPP CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*RLWS = Radioactive Liquid Waste Sewer

APPENDIX C
Prioritized Listing of Operable Units. (sheet 2 of 28)

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Priority	Operable Unit	<u>Title of Units</u>	Le <u>Unit Type</u>	ad Regulatory Agency	Unit Category
	200-BP-1 (Continued)	216-B-50 216-B-57 216-B-61 UN-200-E-110 UN-200-E-63 UN-200-E-9	Crib Crib Crib Spill Spill Spill		CPP CPP CPP CPP CPP CPP
1.17	100-HR-1 (GW addressed by 100-HR-3)	116-H-1 116-H-2 116-H-3 116-H-4 116-H-5 116-H-6 (183-H) 116-H-7 116-H-9 1607-H2	Trench Trench French Drain Crib Outfall Structure Retention basin Retention basin Crib Septic Tank Septic Tank	Ecology	RPP RPP RPP RPP TSD (T-1-4) RPP RPP RPP RPP
4A C	100-HR-3 (GW 0.U.)	100-HR-1 100-HR-2 100-DR-1 100-DR-2 100-DR-3	Source O. U.	Ecology	RPP RPP RPP RPP RPP
5 ————————————————————————————————————	100-DR-1 (GW addressed by 100-HR-3)	116-D-1A 116-D-1B 116-D-2 116-D-3 116-D-4 116-D-5 116-D-6 116-D-7 116-D-7 116-D-9 116-DR-1 116-DR-2 116-DR-5 116-DR-9	Trench Trench Crib French Drain French Drain Outfall Structure French Drain Retention basin Crib Trench Trench Outfall Structure Retention basin		RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 3 of 28)

<u>Priority</u>	Operable Unit	<u>Title of Units</u>	Unit Type	ead Regulatory Agency	Unit Category
	100-DR-1 (continued)	120-D-1 126-D-1 130-D-1 1607-D2 1607-D4 1607-D5	Ponds Ash pit Storage tank Septic tank Septic tank Septic tank		TSD (D-1-1) RPP RPP RPP RPP RPP
	100-BC-1 (GW addressed by 100-BC-5)	116-B-1 116-B-10 116-B-11 116-B-12 116-B-2 116-B-3 116-B-5 116-B-6A 116-B-6B 116-B-7 116-B-8 116-B-9 116-C-1 116-C-1 116-C-5 118-B-5 118-B-7 120-B-1 126-B-1 126-B-1 126-B-1 126-B-1 126-B-1 1607-B1 1607-B2 1607-B3 1607-B4 1607-B5 1607-B6	Trench French drain Retention basin Crib Trench Crib French Drain Crib Crib Crib Crib Outfall Structur Outfall Structur French Drain Trench Retention basin Burial Ground Burial Ground Sump Ash pit Burning pit Septic Tank Septic Tank Septic Tank Septic Tank Septic Tank Septic Tank	re	CPP
		1607-B7	Septic Tank		CPP

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 4 of 28)

Priority	Operable Unit	<u>Title of Units</u>	Unit Type Lead	d Regulatory Agency	<u>Unit Category</u>
6A	100-BC-5 (GW O.U.)	100-BC-1 100-BC-2 100-BC-3 100-BC-4	Source O. U. Source O. U. Source O. U. Source O. U.	EPA	CPP CPP CPP CPP
7	100-KR-1 (GW addressed by 100-KR-4)	116-KE-4 116-KW-3 116-K-1 116-K-2 116-K-3	Retention Basin Retention Basin Crib Trench Outfall Structure	ЕРА	CPP CPP CPP CPP CPP
7A	100-KR-4 (GW 0.U.)	100-KR-1 100-KR-2 100-KR-3	Source O. U. Source O. U. Source O. U.	ЕРА	CPP CPP CPP
7 C C C C C C C C C C C C C C C C C C C	100-NR-1	116-N-1 (1301-N) 116-N-2 116-N-3 (1325-N) 124-N-4 128-N-1 UN-100-N-13 UN-100-N-17 UN-100-N-2 UN-100-N-20 UN-100-N-24 UN-100-N-26 UN-100-N-31 UN-100-N-9	Crib Storage Tank Crib Septic Tank Burning Pit Spill	Ecology	TSD (D-1-2) RPP TSD (D-1-2) RPP RPP RPP RPP RPP RPP RPP RPP RPP RP
O 9	100-NR-3	120-N-1 (1324-N) 120-N-2 (1324-NA) 120-N-3 120-N-5 120-N-6 120-N-7 120-N-8 124-N-1 124-N-1 124-N-5 124-N-5 124-N-7 124-N-8 124-N-9 130-N-1 UN-100-N-11	Pond Neutralization uni French Drain Tank French Drain French Drain French Drain Septic Tank	Ecology t	TSD (T-1-2) TSD (T-1-2) RPP RPP RPP RPP RPP RPP RPP RPP RPP RP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 5 of 28)

<u>Priority</u>	Operable Unit	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
	100-NR-3 (Continued)	UN-100-N-18 UN-100-N-19 UN-100-N-21 UN-100-N-22 UN-100-N-23 UN-100-N-33 UN-100-N-34 UN-100-N-34 UN-100-N-5	Spill		RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP
ુ		UN-100-N-6 UN-100-N-8 UN-600-17	Spill Spill Spill		RPP RPP
	100-FR-1	116-F-1 116-F-10 116-F-11 116-F-12 116-F-13 116-F-14 116-F-2 116-F-3 116-F-4 116-F-5 116-F-6 116-F-7 116-F-8 116-F-9 1607-F2 1607-F3 1607-F5 1607-F6	French Drain French Drain Retention bas Trench Trench Crib Crib Trench French Drain Outfall Structure	·	CPP

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 6 of 28)

Priority	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	Unit Category
11 .	200-UP-2	200 West constr. surface laydown	Burial ground	Ecology	CPP
	200-UP-2	surface laydown area 207-U 216-U-1&2 216-U-14 216-U-15 216-U-16 216-U-17 216-U-3 216-U-4 216-U-4 216-U-4B 216-U-5 216-U-6 216-U-7 216-U-8 241-U-151 241-U-152 241-U-302 241-U-302 241-U-302 241-U-302 241-U-301 241-UX-302 241-UX-302 241-WR Vault 2607-WF UN-200-W-101 UN-200-W-117	Retention Basi Crib Crib Ditch Trench Crib French Drain Reverse Well French Drain Trench Trench Trench Trench Trench Erench Drain Crib Diversion Box Diversion Box Catch tank Settling Tank Diversion Box Catch Tank Vault Septic Tank Spill Spill		CPP CPP TSD (D-2-8) CPP CPP CPP CPP CPP CPP CPP CPP CPP CP
0		UN-200-W-118 UN-200-W-125 UN-200-W-138 UN-200-W-19 UN-200-W-22 UN-200-W-33 UN-200-W-39 UN-200-W-46 UN-200-W-55 UN-200-W-60 UN-200-W-60 UN-200-W-69 UN-200-W-78 UN-200-W-86	Spill		CPP

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 7 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	Lea <u>Unit Type</u>	d Regulatory Agency	<u>Unit Category</u>
12	100-BC-2 (GW addressed by 100-BC-5)	116-C-2A 116-C-2B 116-C-2C 116-C-3 118-C-2 1607-B8	Crib Crib Crib Outfall Structure Burial Ground Septic Tank	EPA	CPP CPP CPP CPP CPP CPP
13 C5	200-BP-5	216-B-5 216-B-56 216-B-59A 216-B-59B 216-B-9TF 241-B-154 241-B-302-B 241-B-361 UN-200-E-45 UN-200-E-7	Reverse Well Crib Trench Retention Basin Crib Diversion Box Catch Tank Settling Tank Spill	EPA	CPP CPP CPP CPP CPP CPP CPP CPP CPP
14 C	100-DR-2 (GW Addressed by 100-HR-3)	116-DR-3 116-DR-4 116-DR-6 116-DR-7 116-DR-8 118-D-5 1607-D3	Trench Crib Trench Crib Crib Burial Ground Septic Tank	Ecology	RPP RPP RPP RPP RPP RPP RPP
15	200-ZP-1	216-Z-1&2TF 216-Z-12 216-Z-13 216-Z-14 216-Z-18 216-Z-1A 216-Z-3 241-Z-361 2607-Z UN-200-W-103 UN-200-W-11 UN-200-W-23 UN-200-W-74 UN-200-W-75 UN-200-W-89	Crib Crib French Drain French Drain French Drain Crib Tile Field Crib Settling Tank Septic tank Spill Spill Spill Spill Spill Spill	EPA	CPP

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 8 of 28)

<u>Pr</u>	<u>iority</u>	Operable Unit	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
		200-ZP-1 (Continued)	UN-200-W-90 UN-200-W-91 UN-200-W-159	Spill Spill Spill		CPP CPP CPP
x x	16	100-KR-2 (GW Addressed by 100-KR-4)	130-KE-1 130-KW-1 116-KE-1 116-KE-2 116-KW-1 116-KW-2 118-K-1 1607-K4 1607-K6 130-KE-2 130-KW-2 130-K-1 130-K-2 UN-100-K-1	Storage tank Storage tank Crib Crib French Drain Crib French Drain Burial Ground Septic Tank Septic Tank Storage Tank Storage Tank Storage Tank Storage Tank Storage Tank	EPA	CPP
<u>~</u>	17	200-BP-4	216-B-11A&B 216-B-51 216-B-7A&B 216-B-8TF	Reverse Well French drain Crib Crib		
0 0 1 1 7	18	200-BP-11	216-B-3 (B Pond) 216-B-3-1 216-B-3-2 216-B-3-3 216-B-3A 216-B-3B 216-B-3C 216-E-25 UN-200-E-14 UN-200-E-92	Pond Ditch Ditch Ditch Pond Pond Pond Pond Spill	Ecology	TSD (D-2-5) RPP RPP TSD (D-2-5) TSD (D-2-5) TSD (D-2-5) TSD (D-2-5) RPP RPP RPP
	19	200-P0-2	216-A-10 216-A-15 216-A-2 216-A-21 216-A-27 216-A-31 216-A-36A 216-A-36B	Crib French Drain Crib Crib Crib Crib Crib Crib Crib		TSD (D-2-2)

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 9 of 28)

	Destauration	Onevahla Unit	Title of Unite	Lea Unit Type	nd Regulatory Agency	Unit <u>Category</u>
	<u>Priority</u>	Operable Unit 200-PO-2 (Continued)	Title of Units 216-A-38-1 216-A-4 216-A-5 216-A-5 UN-200-E-117 UN-200-E-22 UN-200-E-25 UN-200-E-39 UN-200-E-40 UN-200-E-97	Crib Crib Crib Crib Spill Spill Spill Spill Spill Spill Spill Spill	Agency	onit category
	20	200-P0-5	207-A 216-A-1 216-A-16 216-A-17 216-A-18 216-A-19 216-A-20 216-A-23A 216-A-23B 216-A-24 216-A-29 216-A-34 216-A-7 216-A-8 216-A-8 216-A-524 241-A-302B 2607-EC UN-200-E-56 UN-200-E-67	Retention Basin Crib French Drain French Drain Trench Trench French Drain French Drain Crib Ditch Crib Crib Crib Control Structure Catch Tank Septic Tank Spill Spill		TSD (D-2-3)
0	В	100-BC-3 (GW Addressed by 100-BC-5)	118-B-2 118-B-3 118-B-4 118-B-6	Burial Ground Burial Ground Burial Ground Burial Ground	EPA	CPP CPP CPP CPP
	В	100-BC-4 (GW addressed by 100-BC-5)	118-B-1 118-C-1 1607-B9	Burial Ground Burial Ground Septic Tank	EPA	CPP CPP CPP

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 10 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
В	100-DR-3 (GW Addressed by 100-HR-3)	118-D-1 118-D-2 118-D-3 118-D-4 118-DR-1 128-D-1 1607-D1	Burial Ground Burial Ground Burial Ground Burial Ground Burial Ground Burial Ground Burning pit Septic Tank	Ecology	RPP RPP RPP RPP RPP RPP RPP
F.C.	100-FR-2	118-F-1 118-F-2 118-F-3 118-F-4 118-F-5 118-F-6 118-F-7 126-F-1 128-F-1 1607-F1	Burial Ground Surial Ground Ash pit Burning pit Septic Tank		
B	100-HR-2 (GW Addressed by 100-HR-3)	118-H-1 118-H-2 118-H-3 118-H-4 118-H-5 126-H-1 128-H-1 1607-H1	Burial Ground Burial Ground Burial Ground Burial Ground Burial ground Ash pit Burning pit Septic Tank Septic Tank	Ecology	RPP RPP RPP RPP RPP RPP RPP RPP
B C	100-KR-3 (GW Addressed by 100-KR-4)	120-KE-1 120-KW-2 120-KE-3 120-KE-2 120-KW-5 120-KE-6 120-KW-1 128-K-1 130-K-3	Reverse Well French Drain Trench French Drain Storage Tank Storage Tank Reverse well Burning pit Storage tank	EPA	CPP CPP CPP CPP CPP CPP CPP CPP

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 11 of 28)

<u>Priority</u>	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
<u>1,10,10,</u>	100-KR-3 (Continued)	1607-K1 1607-K2 1607-K3 1607-K5	Septic Tank Septic Tank Septic Tank Septic Tank		CPP CPP CPP CPP
B	100-NR-2	116-N-4 118-N-1 124-N-3 UN-100-N-1 UN-100-N-12 UN-100-N-14 UN-100-N-29 UN-100-N-3 UN-100-N-30 UN-100-N-32 UN-100-N-35 UN-100-N-7	Storage Tank Silos Septic Tank Spill		
C B	100-IU-1	Army Munitions Burial Site Riverland Railroad Car Wash Pit	Burial Ground Pit		
B	200-BP-2	216-B-14 216-B-15 216-B-16 216-B-17 216-B-18 216-B-20 216-B-21 216-B-22 216-B-23 216-B-24 216-B-25 216-B-25 216-B-25 216-B-27 216-B-28 216-B-29	Crib Crib Crib Crib Crib Crib Trench		

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TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 12 of 28)

				Lead Regulatory	
<u>Priority</u>	<u>Operable Unit</u>	Title of Units	<u>Unit Type</u>	Agency	<u>Unit Category</u>
	200-BP-2 (Continued)	216-B-30 216-B-31 216-B-32 216-B-33 216-B-52 216-B-53A 216-B-53B 216-B-54 216-B-58 UN-200-E-83	Trench		
В	200-P0-1	216-A-11 216-A-12 216-A-13 216-A-14 216-A-22 216-A-26 216-A-26A 216-A-3 216-A-3 216-A-3 216-A-35 216-A-40 216-A-41 216-A-9 218-E-1 218-E-1 218-E-13 241-A-151 241-A-302A 2607-E6 2607-EA UN-200-E-10 UN-200-E-11 UN-200-E-15 UN-200-E-15 UN-200-E-20 UN-200-E-20 UN-200-E-26 UN-200-E-28 UN-200-E-31 UN-200-E-33 UN-200-E-33	French Drain Crib Crib French Drain French Drain Trench Crib Crib Burial Ground Burial Ground Burial Ground Diversion Box Catch Tank Septic Tank Septic Tank Spill		

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RPP = RCRA Past-Practice TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 13 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	Unit Category
	200-PO-1 (Continued)	UN-200-E-42 UN-200-E-49 UN-200-E-58 UN-200-E-60 UN-200-E-65 UN-200-E-88 UN-200-E-96 UN-200-E-114 UN-200-E-142	Spill		æ.
B SO LO	200-PO-4	216-A-30 216-A-37-1 216-A-37-2 216-A-42 216-A-6 2607-EL UN-200-E-66	Crib Crib Crib Retention Bas Crib Septic Tank Spill	in	
В С С 6 1 — — — — — — — — — — — — — — — — — —	200-\$0-1	200-E Power House Ditch 216-C-1 216-C-10 216-C-2 216-C-3 216-C-4 216-C-5 216-C-6 216-C-7 216-C-9 218-C-9 218-C-9 241-CX-70 241-CX-71 241-CX-72 2607-E5 2607-E5 2607-E7A Hot Semi-Works Valve Pit UN-200-E-36 UN-200-E-37 UN-200-E-98 UN-200-E-141	Ditch Crib Crib Crib Crib Crib Crib Crib Pond Burial Ground Storage Tank Storage Tank Storage Tank Storage Tank Septic Tank Septic Tank Valve Pit Spill Spill Spill	· -	

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TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 14 of 28)

Priority	Operable Unit	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	Unit Category
В	200-TP-1	216-T-21 216-T-22 216-T-23 216-T-24 216-T-25 216-T-32 216-T-36 216-T-5	Trench Trench Trench Trench Crib Crib Trench Crib		
B	200-TP-2	2607-WT 200-W Powerhouse Pond 216-T-13 216-T-18 216-T-19TF 216-T-20 216-T-26 216-T-27 216-T-28 216-T-31 241-TX-152 241-TX-155 241-TX-155 241-TX-302B UN-200-W-131 UN-200-W-131 UN-200-W-135 UN-200-W-14 UN-200-W-28 UN-200-W-99	Septic Tank Pond Trench Crib Crib Crib Crib Crib Crib French Drain Diversion Box Catch Tank Spill Spill Spill Spill Spill Spill Spill Spill		
© B	200-TP-4	216-T-1 216-T-10 216-T-11 216-T-2 216-T-29 216-T-3 216-T-33 216-T-34 216-T-35 216-T-8 216-T-9 218-W-7 218-W-7 218-W-8 241-T-361	Ditch Trench Trench Reverse Well Crib Crib Crib Crib Crib Trench Burial Ground Settling Tank	i	

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 15 of 28)

Priority	Operable Unit	Title of Units	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Categor</u>
	200-TP-4 (Continued)	241-TX-154 241-TX-302C 2607-W3 2607-W4 UN-200-W-102 UN-200-W-137 UN-200-W-21 UN-200-W-27 UN-200-W-3 UN-200-W-38 UN-200-W-4 UN-200-W-58 UN-200-W-65 UN-200-W-67 UN-200-W-73 UN-200-W-77 UN-200-W-77 UN-200-W-8 UN-200-W-98	Diversion Box Catch Tank Septic Tank Septic Tank Spill		
	200-ZP-2	207-Z 216-Z-10 216-Z-16 216-Z-17 216-Z-4 216-Z-5 216-Z-6 216-Z-7 216-Z-8 216-Z-9 2607-W8 2607-W8 2607-Z8 UN-200-W-130 UN-200-W-79	Retention Basis Reverse Well Crib Trench Crib Crib Crib Crib French Drain Trench Septic Tank Septic Tank Septic Tank Spill Spill	n	
В	200-IU-3	Central Landfill Original Central Landfill NRDW* Landfill 6607-1 6607-2 UN-600-12	Landfill Landfill Landfill Septic Tank Septic Tank Spill		TSD (D-6-1)

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*Nonradioactive Dangerous Waste

APPENDIX C Prioritized Listing of Operable Units. (sheet 16 of 28)

			· · · · · · · · · · · · · · · · · · ·			
	Priority	Operable Unit	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
	В	300-FF-2 (GW Addressed	300 Vitrification Test Site	Test treatment Facility	EPA	СРР
		by 300-FF-5)	618-1	Burial Ground		CPP
			618-13	Burial Ground		CPP
			618-2	Burial Ground		CPP
			618-3	Burial Ground		CPP
			618-7	Burial Ground		CPP
			618-8	Burial Ground		CPP
			618-9	Burial Ground		CPP
	_			- at two at build		CPP
	В	300-FF-3	300 Interim Filter	Pond	EPA	CPP
		(GW Addresseed	Backwash Disposal		LIA	CPP
		by 300-FF-5)	309-TW-1	Storage Tank		CPP
_			309-TW-2	Storage Tank		CPP
C>			309-TW-3	Storage Tank		CPP
			315 Retired	Drain Field		CPP
Lf			Drain Field			CPP
2000			323 Tank 1	Tank		CPP
•			323 Tank 2	Tank		
(*)			323 Tank 3	Tank		CPP
			323 Tank 4	Tank		CPP
No.			331 Drain field	Drain Field		CPP
7			331 Trench 1	Trench		CPP
7			331 Trench 2	Trench		CPP
			335 & 336 Retired	Drain Fields		CPP
•			Drain Fields	Diam i icias		CPP
			618-6	Burial Ground		CDD
			UN-300-10	Spill		CPP
-			UN-300-12	Spill		CPP
C-Page			UN-300-13	Spill		CPP
PT0			UN-300-17	Spill		CPP
, ,			UN-300-18	Spill		CPP
,			UN-300-39	Spill		CPP
				Spill		CPP
			UN-300-40	Spill		CPP
			**** ***	Spill	******	CPP
				Spill		CPP
			1400	Spill		CPP
			****	Spill		CPP
			000 10	Shiii		CPP

CPP = CERCLA Past-Practice RPP = RCRA Past-Practice TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 17 of 28)

<u>Pr</u>	<u>iority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
		300-FF-3 (Continued)	UN-300-5 UN-300-7	Spill Spill		CPP CPP
	С	100-IU-2	East White Bluffs	Landfill		
			Landfill White Bluffs Landfill	Landfill		
			J. A. Jones #2	Landfill		
	C	100-IU-3	USBR* 2,4-D Burial Site	Landfill		
			Wahulke Slope NIKE Missile Base	Missile Base		
\bigcirc	C	1100-EM-2	1100 Hoist Rams 1100 HWSA**	Storage Tank		
*0			1100 Steam Pad	Staging Area Storage Tank		
1000			Tank #2 1100 Steam Pad	Storage Tank		
(,)			Tank #3 1100 Used Oil	Storage Tank		
<i>(</i> ****			Tank #4 1100 Used Oil	Storage Tank		
			Tank #5 1100 Used Oil Tank #6	Storage Tank		
Mileson ,			700 Area Waste Solvent Tank	Storage Tank		
W-11.340	С	1100-EM-3	1208 HWSA	Staging Area		
()			1226 HWSA 1234 Storage	Staging Area Storage facil	itv	
9			Yard	Storage racri	1 Cy	
			1240 HWSA	Staging Area		
			Jones Yard HWSA	Staging Area		
			Underground Used Oil Tank	Storage Tank		
			UN-3000-1	Spill		

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*U.S. Bureau of Reclamation
**Hazardous Waste Staging Area

APPENDIX C Prioritized Listing of Operable Units. (sheet 18 of 28)

<u>P</u>	riority	Operable Unit	Title of Units	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
	C ,	1100-IU-1	6652-C SSL*	Septic Tank		
			Active Septic Tan 6652-C SSL* Inactive Septic Tank	k Septic Tank		
			6652-I ALE** Septic Tank	Septic Tank		
			6652-G ALE Septic Tank	Septic Tank		
			Rattlesnake Mtn. NIKE Missile Base	Missile Base		
	С	200-BP-10	218-E-2	Burial Ground		
			218-E-2A	Burial Ground		
-			218-E-4 218-E-5	Burial Ground Burial Ground		
\$			218-E-5A	Burial Ground		
~ /			218-E-9	Burial Ground		
San Contract			UN-200-E-112	Spill		
407%			UN-200-E-61	Spill		
\bigcirc			UN-200-E-95	Spill		
("						
	С	200-BP-3	216-B-35	Trench		
			216-B-36	Trench		
~			216-B-37	Trench		
, ,			216-B-38	Trench		
CPPENNIA.			216-B-39	Trench		
			216-B-40 216-B-41	Trench Trench		
2000		•	216-B-41 216-B-42	Trench		
£)			210-0-42	i i ciicii		
	С	200-BP-6	216-B-10A	Crib		
C>	Ū	200 5. 0	216-B-10B	Crib		
			216-B-13	French Drain		
			216-B-4	Reverse Well		
			216-B-6	Reverse Well		
			216-B-60	Crib		
			218-E-6	Burial Ground		
			218-E-7	Burial Ground		
			241-BX-154	Diversion Box		
			241-BX-155	Diversion box		
			241-BX-302B	Catch Tank		
			241-BX-302C	Catch Tank		

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
 * = Space Science Laboratory
** = Arid Lands Ecology Reserve

APPENDIX C Prioritized Listing of Operable Units. (sheet 19 of 28)

<u>Priority</u>	Operable Unit	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
64 • • • • • • • • • • • • • • • • • • •	200-BP-6 (Continued)	241-ER-152 2607-E3 2607-E4 Tile Field South of 218-E-4 UN-200-E-1 UN-200-E-103 UN-200-E-2 UN-200-E-3 UN-200-E-41 UN-200-E-52 UN-200-E-54 UN-200-E-55 UN-200-E-55 UN-200-E-69 UN-200-E-80 UN-200-E-85 UN-200-E-87 UN-200-E-90	Diversion Box Septic Tank Septic Tank Tile Field Spill		
C C	200-BP-8	207-B 216-B-2-1 216-B-2-2 216-B-2-3 216-B-63 2607-E9	Retention Basin Ditch Ditch Ditch Trench Septic Tank	n	TSD (D-2-6)
- C	200-BP-9	200 Area construction pit 216-B-12 216-B-55 216-B-62 216-B-64 241-ER-151 241-ER-311 UN-200-E-64	Landfill Crib Crib Crib Crib Diversion Box Catch Tank Spill		
C	200-NO-1	216-N-1 216-N-2 216-N-3 216-N-4 216-N-5 216-N-6 216-N-7	Pond Trench Trench Pond Trench Pond Trench		

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APPENDIX C Prioritized Listing of Operable Units. (sheet 20 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
С	200-P0-6	200-E burning	Pit		
		pit 218-E-12A 218-E-8	Burial Ground Burial Ground		
	200-R0-1	216-S-10D 216-S-10P 216-S-11 216-S-16D 216-S-17 216-S-17 216-S-19 216-S-25 216-S-5 216-S-6 216-U-9 2607-WZ 2904-S-170 2904-S-171 UN-200-W-139	Ditch Pond Pond Ditch Pond Control struct Pond Crib Crib Crib Crib Ditch Septic tank Control struct Control struct Control struct Control struct	ture ture	TSD (D-2-7) TSD (D-2-7)
C	200-RO-2	207-S 216-S-1&2 216-S-13 216-S-15 216-S-18 216-S-3 216-S-7 216-S-8 216-S-9 218-W-9 241-S-302A 241-SX-302 UN-200-W-108 UN-200-W-109 UN-200-W-114	Retention Bas Crib Crib Pond Trench Crib French Drain Crib Trench Crib Burial Ground Catch Tank Catch Tank Spill Spill	in	

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RPP = RCRA Past-Practice TSD = Treatment, Storage, and Disposal

Prioritized Listing of Operable Units. (sheet 21 of 28)

<u>Priority</u>	Operable Unit	Title of Units	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
	200-RO-2 (Continued)	UN-200-W-123 UN-200-W-127 UN-200-W-20 UN-200-W-32 UN-200-W-34 UN-200-W-41 UN-200-W-42 UN-200-W-49 UN-200-W-50 UN-200-W-52 UN-200-W-83 UN-200-W-85	Spill		
C	200-R0-3	207-SL 216-S-12	Retention Basin	n	
.		216-S-14 216-S-20	Trench Crib		
N		216-S-22 216-S-26	Crib Crib		
(")		240-S-151 240-S-152	Diversion Box Diversion Box		
(**		240-S-302 2607-W6	Catch Tank Septic Tank		
<u> </u>		UN-200-W-116 UN-200-W-30	Spill Spill		
		UN-200-W-35 UN-200-W-43	Spill Spill		
grystting:		UN-200-W-56 UN-200-W-57	Spill Spill		
(C)		UN-200-W-61 UN-200-W-87	Spill Spill		,
C C	200-TP-3	207-T 216-T-12 216-T-14 216-T-15 216-T-16 216-T-17 216-T-4-1D 216-T-4-2 216-T-4A 216-T-4B 216-T-6 UN-200-W-63 UN-200-W-7	Retention Basin Trench Trench Trench Trench Ditch Ditch Pond Pond Crib Spill		

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 22 of 28)

<u>Priori</u>	ty Operable Unit	Title of Units	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit Category</u>
С	200-UP-1	216-S-21 216-S-4 216-U-10 216-U-11 216-U-13 216-Z-11 216-Z-19 216-Z-1D 216-Z-20 2607-W9 UN-200-W-68	Crib French Drain Pond Ditch Trench Ditch Ditch Ditch Crib Septic Tank Spill		
6 C C C C	200-ZP-3	218-W-1 218-W-1A 218-W-2 218-W-2A 218-W-3 218-W-4A 218-W-11 2607-WWA Z-Plant Burning Pit UN-200-W-132 UN-200-W-44	Burial Ground Septic Tank Pit Spill Spill		
C C	200-IU-4	Hanford Townsite Landfill Hanford Trailer Camp Landfill 213 J & K P-11 UN-600-16 UN-600-18	Landfill Landfill Storage facili Crib Spill Spill	ty	
С	300-IU-1	316-4 618-10 618-11 J. A. Jones #1 UN-600-11	Crib Burial Ground Burial Ground Landfill Spill		

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 23 of 28)

Destaurables	0	T7		Lead Regulatory	
<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Agency</u>	<u>Unit Category</u>
C	300-FF-4	4713-B discharge 4722-B discharge 4722-C discharge French drain #10 French drain #1A French drain #1B French drain #2 French drain #3 French drain #4 French drain #5 French drain #6 French drain #7 French drain #7	French drain		
√ ₽	•	French drain #9	French drain French drain		
		403 discharge	French drain		
S O		4721 building 400 Area process	French drain Pond		
1		pond and sewer			
C		400 Area retired french drains	French drain		
		400 Area retired sanitary pond	Pond		
(*)		400 Area retired septic tanks	Septic tank		
Same .		Sand bottom trench	Trench		
4=113		Sanitary sewer	Sewer		
and views		Sanitary tile field	Tile field		
(*)		4831 laydown	Staging area		
0		hazardous staging UN-400-1	Spill		
D	100-IU-4	Sodium dichromate barrel disposal	Landfill		
D	100-IU-5	White Bluffs pickling acid	Crib		
D	200-SS-1	200-E Powerhouse Ash Pit	Ash pit		
		218-E-3 2607-E1	Burial ground Septic tank		

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 24 of 28)

	<u>Priority</u>	Operable Unit	Title of Units	<u>Unit Type</u>	Lead Regulatory Agency	Unit Category
		200-SS-1 (Continued)	2607-E7B 2607-E8 2607-EH 2607-EK 2607-EP 2607-EQ 2607-ER 2607-GF Chemical tile field north of 2703-E	Septic tank Drain field		
نمع		200-SS-2	200 West Ash Disposal Basin 200 West Burning	Ash pit Ash pit		
() 			Pit 200-W Powerhouse Ash Pit	Burning pit		
000			216-W-LC 2607-W1 2607-W2 UN-200-W-88	Crib Septic Tank Septic Tank Spill		
1	D	200-IU-I	Exploratory Shaft HWSA	Staging Area		
Pergrapas MAPPASTO			Exploratory Shaft Septic Tank	Septic Tank		
\circ	_		6607-3	Septic Tank		
c	D	200-IU-6	216-A-25 216-N-8	Pond Pond	•	
	D	200-IU-2	NSTF* Septic Tank NSTF* Underground Tank			
			1607-FSM	Septic Tank		
	D	200-IU-5	Batch Plant HWSA 2607-FSN 622-R Old central shop area	Staging Area Septic tank Septic Tank Building	,	

CPP = CERCLA Past-Practice
RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal
*Near Surface Test Facility

APPENDIX C
Prioritized Listing of Operable Units. (sheet 25 of 28)

Priority	Operable Unit	Title of Units	Unit Type	d Regulatory Agency	Unit Category
*	200-BP-7	241-B Tank Farm	Single-Shell Tank	Ecology	TSD (S-2-4)
		(16 Units) 241-B-151	Divoncion Pov		non
			Diversion Box		RPP
		241-B-152	Diversion Box		RPP
		241-B-153 241-B-252	Diversion Box		RPP
		241-B-252 241-B-301B	Diversion Box		RPP
		241-B-301B 241-BR-152	Catch Tank Diversion Box		RPP
		241-BK-152 241-BX Tank Farm	Single-Shell Tank		RPP
		(12 units)	Single-Shell lank		TSD (S-2-4)
		241-BX-153	Diversion Box		RPP
		241-BX-302A	Catch Tank		RPP
		241-BXR-151	Diversion Box		RPP
		241-BXR-152	Diversion Box		RPP
pm, 786		241-BXR-153	Diversion Box		RPP .
C.T		241-BY Tank Farm	Single-Shell Tank		TSD (S-2-4)
.		(12 units)			(0 11 1)
		241-BYR-152	Diversion Box		RPP
~		241-BYR-153	Diversion Box		RPP
green.		241-BYR-154	Diversion Box		RPP
C)		242-B-151	Diversion Box		RPP
C		244-BXR	Receiving Vault		RPP
*.		2607-EB	Septic Tank		RPP
(P)		UN-200-E-101	Spill		RPP
_		UN-200-E-105	Spill		RPP
		UN-200-E-109	Spill		RPP
4000		UN-200-E-38	Spill		RPP
		UN-200-E-43	Spill		RPP
****		UN-200-E-5	Spill .		RPP
		UN-200-E-75	Spill		RPP
\circ		UN-200-E-76	Spill		RPP
~		UN-200-E-79	Spill		RPP
		UN-200-E-89	Spill		RPP
*	200-P0-3	216-A-39	Crib	Ecology	RPP
		216-C-8	French Drain	200.433	RPP
		241-A Tank Farm (6 units)	Single-Shell Tank		TSD (S-2-4)
		241-A-152	Diversion Box		RPP
		241-A-153	Diversion Box		RPP
		241-A-350	Catch Tank		RPP
		241-A-417	Condensate Tank		RPP
		241-A-A	Diversion Box		RPP
		241-A-B	Diversion Box		RPP

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX C Prioritized Listing of Operable Units. (sheet 26 of 28)

	<u>Priority</u>	<u>Operable Unit</u>	<u>Title_of_Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	<u>Unit</u>	Category
		200-P0-3	241-AR-151	Diversion box		RPP	
		(Continued)	241-AX Tank Farm (4 units)	Single-shell t	ank	TSD	(S-2-4)
			241-AX-151	Diversion box		RPP	
			241-AX-152-CT	Catch tank		RPP	
			241-AX-152-DS	Diverter stati	on	RPP	
			241-AX-155	Diversion box		RPP	
			241-AX-501	Valve pit		RPP	
			241-AX-A	Diversion box		RPP	
			241-AX-B	Diversion box		RPP	
			241-C Tank Farm (16 units)	Single-shell t	ank	TSD	(S-2-4)
			241-C-151	Diversion box		RPP	
<i>a</i> .	٠.		241-C-152	Diversion box		RPP	
C?	•		241-C-153	Diversion box		RPP	
~			241-C-252	Diversion box		RPP	
- Italia			241-C-301C	Catch tank		RPP	
-			241-CR-151	Diversion box		RPP	
			241-CR-152	Diversion box		RPP	
\Box			241-CR-153	Diversion box		RPP	
			241-ER-153	Diversion box		RPP	
(2607-ED	Septic tank		RPP	
<u></u>			2607-EG	Septic tank		RPP	
1**			2607-EJ	Septic tank		RPP	
1			UN-200-E-118	Spill		RPP	
			UN-200-E-16	Spill		RPP	
*******			UN-200-E-18	Spill		RPP	
			UN-200-E-27	Spill		RPP	
			UN-200-E-47	Spill		RPP	
\bigcirc			UN-200-E-48	Spill		RPP	
			UN-200-E-68	Spill		RPP	
O			UN-200-E-70	Spill		RPP -	
			UN-200-E-72	Spill		RPP	
			UN-200-E-81	Spill		RPP	
			UN-200-E-82	Spill		RPP	
			UN-200-E-86	Spill		RPP	
			UN-200-E-91	Spill		RPP	

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RPP = RCRA Past-Practice
TSD = Treatment, Storage, and Disposal

APPENDIX C
Prioritized Listing of Operable Units. (sheet 27 of 28)

<u>Priority</u>	Operable Unit	Title of Units	Lead Regulatory <u>Unit Type</u> <u>Agency</u>	<u>Unit Category</u>
	200-PO-3 (Continued)	UN-200-E-94 UN-200-E-99 UN-200-E-100 UN-200-E-107	Spill Spill Spill Spill	RPP RPP RPP RPP
	200-RO-4	241-S Tank Farm (12 units) 241-S-151 241-S-152 241-S-302B 241-S-A 241-S-B 241-S-C 241-S-D 241-SX Tank Farm (15 units) 241-SX-151 241-SX-152 UN-200-W-10 UN-200-W-80 UN-200-W-81	Single-shell tank Ecology Diversion box Diversion box Catch tank Valve pit Valve pit Valve pit Valve pit Single-shell tank Diversion box Diversion box Spill Spill Spill	TSD (S-2-4) RPP RPP RPP RPP RPP RPP TSD (S-2-4) RPP RPP RPP RPP RPP RPP RPP RPP RPP
	200-TP-5	241-TX Tank Farm (18 units) 241-TX-153 241-TX-152 241-TXR-152 241-TXR-153 241-TY Tank Farm (6 units) 241-TY-153 241-TY-302A 241-TY-302B 241-TY-302B 242-T-151 2607-WTX UN-200-W-17 UN-200-W-76	Single-shell tank Ecology Diversion box Catch tank Diversion box Diversion box Single-shell tank Diversion box Catch tank Catch tank Diversion box Septic tank Spill Spill Spill	TSD (S-2-4) RPP RPP RPP TSD (S-2-4) RPP RPP RPP RPP RPP RPP RPP RPP RPP R

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

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APPENDIX C
Prioritized Listing of Operable Units. (sheet 28 of 28)

	<u>Priority</u>	Operable Unit	<u>Title of Units</u>	<u>Unit Type</u>	Lead Regulatory Agency	Unit Category
	*	· · · · · · · · · · · · · · · · · · ·		• • •		onic category
	•	200-TP-6	241-T Tank Farm (16 units)	Single-Shell t	ank Ecology	TSD (S-2-4)
			241-T-151	Diversion box		RPP
			241-T-152	Diversion box		RPP
			241-T-153	Diversion box		RPP
			241-T-252	Diversion box		RPP
			241-T-301	Catch tank		RPP
			241-T-302	Catch tank		RPP
			241-TR-152	Diversion box		RPP
			241-TR-153	Diversion box		RPP
			UN-200-W-62	Spill		RPP
			UN-200-W-64	Spill		RPP
			UN-200-W-97	Spill		RPP
e de la constitución de la const	* *	200-UP-3	241-U Tank Farm	Single-shell ta	ank Ecology	TSD (S-2-4)
			(16 units)		200,093	100 (5 2 4)
			241-U-153	Diversion box		RPP
1	•		241-U-252	Diversion box		RPP
			241-U-301	Catch tank		RPP
(•		241-U-A	Diversion box		RPP
ç			241-U-B	Diversion box		RPP
			241-U-C	Diversion box		RPP
	-		241-U-D	Diversion box		RPP
201			241-UR-151	Diversion box		RPP
	•		241-UR-152	Diversion box		RPP
-	•		241-UR-153	Diversion box		RPP
			241-UR-154	Diversion box		RPP
HALL STREET	r		244-UR	Receiving vault		RPP
-			2607-WUT UN-200-W-71	Septic tank		RPP
	•		011-500-M-\T	Spill		RPP
_						

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX D

Work Schedule

- o Listing of Currently Identified Interim Milestones
- o Time-scaled Logic Networks

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Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 1 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-01-00	Complete 14 grout campaigns of double-shell tank waste by September 1994 and maintain currency with waste feed thereafter	Sept. 1994
	The 14 grout campaigns will support the acceleration of the single-shell tank stabilization activities by one year. Additional grout campaigns will allow double-shell tank space to be made available for single-shell tank waste. The number of grout campaigns each year after Sept. 1994 will be dependent upon the availability of grout feed material. Grout campaigns (up to 5 each year) will be conducted when sufficient waste feed is accumulated to fill a grout vault.	
M-01-01	Complete a total of 3 grout campaigns of double-shell tank wastes (includes one campaign of phosphate-sulfate waste)	Sept. 1991
M-01-02	Complete a total of 6 grout campaigns of double-shell tank wastes	Sept. 1992
M-01-03	Complete a total of 10 grout campaigns of double-shell tank wastes	Sept. 1993
M-01-04	Complete a total of 14 grout campaigns of double-shell tank wastes	Sept. 1994
M-01-05	Commitments for additional grout campaigns after September 1994 will be incorporated as interim milestones	Biennially beginning Sept. 1994
M-02 - 00	Initiate B Plant operations for pretreatment of double-shell tank waste	Oct. 1993
	Double-shell tank waste pretreatment is required prior to disposal of high-activity tank wastes. The B Plant pretreatment supports the removal, treatment, and final disposal of wastes subject to land disposal restrictions which are stored in double-shell tanks. Removal of the wastes from double-shell tanks and disposal in grout or glass will allow double-shell tank space to be made available for single-shell tank waste.	

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Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 2 of 7)

Number	<u>Milestone</u>	<u>Due Date</u>
M-02-01	Initiate pretreatment of neutralized current acid waste	Oct. 1993
M-02-02	Commitments for pretreatment of additional tank wastes will be incorporated as interim milestones	Biennially beginning CY 1992
M-03-00	Initiate Hanford Waste Vitrification Plant operations	Dec. 1999 ¹
	Waste which is pretreated in B Plant will be designated for disposal in either glass or grout. Pending treatment and final disposal, the wastes must be stored in double-shell tanks. Completion of the vitrification plant will enable the pretreated waste to be removed from double-shell tanks, thus allowing double-shell tank space to be made available for single-shell tank waste. The HWVP also supports the removal, treatment, and final disposal of wastes subject to land disposal restrictions which are stored in double-shell tanks. Initiation of operations is defined to be hot startup.	
M-03-01	Initiate HWVP construction	July 1991
M-03-02	Complete HWVP construction	June 1998 ¹
M-04-00	Provide annual reports of tank waste treatability studies	Annually Beginning
	Wastes stored in double-shell and single-shell tanks, as well as newly generated wastes destined to be stored in the double-shell tanks, will be studied to determine the most appropriate treatment/disposal method. Studies to determine the long-term feasibility of grout or glass for disposal of these wastes are included in the scope of this milestone.	Sept. 1990
M-04-01	Provide letter to Ecology describing work scope to be included in Sept. 1990 report	Dec. 1989

 $^{^1{\}rm The}$ U.S. Department of Energy, Richland Operations Office commits to request sufficient money in FY 1991 to meet milestone M-03-00.

Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 3 of 7)

Number	<u>Milestone</u>	<u>Due Date</u>
M-05-00	Complete single-shell tank interim stabilization	Sept. 1995
	Complete the single-shell tank interim stabilization activities (removal of pumpable liquid from those 51 single-shell tanks not yet stabilized) for all single-shell tanks except 241-C-105 and 241-C-106. All 149 tanks, including 241-C-105 and 241-C-106 will be interim stabilized and interim isolated by September 1996.	
M-05-01	Interim stabilize 3 single-shell tanks	Sept. 1989
M-05-02	Interim stabilize an additional 5 single-shell tanks	Sept. 1990
M-05-03	Interim stabilize an additional 9 single-shell tanks	Sept. 1991
M-05-04	Interim stabilize an additional 9 single-shell tanks	Sept. 1992
M-05-05	Interim stabilize an additional 9 single-shell tanks	Sept. 1993
M-05-06	Interim stabilize an additional 9 single-shell tanks	Sept. 1994
M-05-07	Interim stabilize an additional 5 single-shell tanks (stabilization complete except for 241-C-105 and 241-C-106)	Sept. 1995
M-05-08	Interim stabilize Tanks 241-C-105 and 241-C-106	Sept. 1996
M-05-09	Complete interim stabilization and interim isolation of all 149 single-shell tanks	Sept. 1996

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Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 4 of 7)

Number	<u>Milestone</u>	<u>Due Date</u>
M-06-00	Develop single-shell tank waste retrieval technology and complete scale-model testing	June 1994
	Various waste retrieval technologies will be evaluated for retrieving each of the several types of single-shell tank wastes. Emphasis will be placed on optimizing waste removal while minimizing personnel exposure. Promising technologies will be evaluated for each waste type and one or more will be selected for testing using simulated waste in a scale model (minimum 1:12 scale) tank.	
M-06-01	Identify waste retrieval technologies to be tested in scale-model tank	Oct. 1990
M-06-02	Initiate waste retrieval testing in scale-model tank	Óct. 1992
M-07-00	Initiate full-scale demonstration of waste retrieval technology	Oct. 1997
	A full-scale waste retrieval demonstration at a pre-selected single-shell tank will follow scale model testing of waste retrieval technologies (Milestone M-06-00). This demonstration will be complete when it succeeds in removing no less than 95 percent of the radioactive and chemical waste inventory from the single-shell tank. If any waste remains in the tank or the surrounding soil, final tank closure will proceed under an approved closure plan in Milestone M-08 or M-09. Demonstration initiation is defined as startup of the waste retrieval equipment in the selected single-shell tank.	
M-07-01	Submit tank selection criteria, retrieval options and recommended tank selection to Ecology for concurrence	Oct. 1993
M-07-02	Ecology concurrence/non-concurrence of tank selection criteria, retrieval options, and tank selection	Dec. 1993

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Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 5 of 7)

		
Number	<u>Milestone</u>	<u>Due Date</u>
M-07-03	Complete final design for installation of piping and other required waste removal equipment	Dec. 1994
M-07 - 04	Submit completion date and completion criteria for full-scale demonstration project to Ecology for concurrence	Oct. 1997
M-07 - 05	Ecology concurrence/non-concurrence of completion date/criteria	Dec. 1997
M-08-00	Initiate full-scale tank farm closure demonstration project	June 2004
	The full-scale tank farm demonstration project will include waste retrieval and the installation of a final cover. Decisions as to the appropriate disposal of wastes, tanks, contaminated piping, and soils will follow detailed characterization and regulatory agency approval as part of the closure process. For purposes of this milestone, initiation is defined as full-scale waste retrieval. The full-scale demonstration will serve to verify the various technologies being developed for tank farm closures.	
M-08-01	Submit tank farm selection criteria, closure method(s), tank farm selection rationale, and recommended tank farm selection to Ecology for approval	Jan. 1999
1-08-02	Complete final design for the installation of required piping and other required waste removal equipment	Jan. 2001
1-08-03	Submit tank farm closure plan for selected tank farm to Ecology for approval	Dec. 2003

Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 6 of 7)

Number	<u>Milestone</u>	<u>Due Date</u>
M-09-00	Complete closure of all 149 single-shell tanks	June 2018
	Closure and removal of required waste from the 149 single-shell tanks will be effected in accordance with the approved closure plan(s). As stated in the Hanford Defense Waste-Environmental Impact Statement Record of Decision, a supplemental EIS will be prepared prior to making any final decisions regarding disposal of single-shell tank waste. The final closure plan(s) will address the recommendations of the supplemental EIS.	
M-09-01	Complete preparation of supplemental EIS and issue draft for public review	June 2002
M-09-02	Submit closure plan to Ecology for approval	Dec. 2003
M-10-00	Complete analyses of at least two complete core samples from each single-shell tank	Sept. 1998
	Obtain and analyze a minimum of two core samples from each single-shell tank. Samples will be collected and analyzed to determine the characteristics of significant waste strata to support timely development of tank waste retrieval technology and to assist in preparation of single-shell tank closure plans and the supplemental EIS. Additional sampling may be determined to be necessary to ensure representative samples are obtained from each tank. Samples will be collected and analyzed in accordance with a single-shell tank waste analysis plan approved by Ecology. Data from this initial characterization may be adequate to identify those tanks whose waste will be retrieved. Additional sampling and analysis will be necessary to justify any decision to leave tank waste in place.	
M-10-01	Submit draft waste sampling and analysis plan to National Academy of Sciences, Ecology, and EPA	March 1989
M-10-02	Submit waste sampling and analysis plan to Ecology for approval	May 1989

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Table D-1. Major and Interim Milestones--Disposal of Tank Waste. (sheet 7 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-10-03	Obtain 15 core samples from 2 tanks (reference sampling tanks)	Dec. 1989
M-10-04	Obtain 12 core samples from 6 tanks	Nov. 1990
M-10-05	Obtain 20 core samples from 10 tanks	Oct. 1991
M-10-06	Obtain 20 core samples from 10 tanks	Sept. 1992
M-10-07	Obtain 22 core samples from 11 tanks	Sept. 1993
M-10-08	Obtain 44 core samples from 22 tanks	Sept. 1994
M-10-09	Obtain 44 core samples from 22 tanks	Sept. 1995
M-10-10	Obtain 44 core samples from 22 tanks	Sept. 1996
M-10-11	Obtain 44 core samples from 22 tanks	Sept. 1997
M-10-12	Obtain 44 core samples from 22 tanks	Sept. 1998
M-11-00	Complete construction and initiate operations of expanded laboratory hot cells for high-level radioactive mixed waste	June 1994
	The expanded laboratory hot cells will provide analytical capabilities for waste analyses from single-shell tanks, double-shell tanks, and B Plant pretreatment processing. The hot cells will provide at least double the sample throughput capacity from that which is currently available at the 222-S Laboratory.	
I-11-01	Complete conceptual design for hot cell expansion	June 1989
l-11-02	Complete definitive design for hot cell expansion	March 1992

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 1 of 4)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-12-00	Submit RI/FS or RFI/CMS work plans for 20 operable units	April 1992
	Work plans for each of the first 20 operable units listed in Appendix C will be prepared and submitted to EPA and Ecology by April 1992. The work plans will meet the requirements of RCRA or CERCLA, depending upon whether the operable unit has been assigned to RCRA Past Practices or to CERCLA (see Appendix C). DOE will implement each RI/FS or RFI/CMS upon lead regulatory agency approval and in accordance with the schedule in Appendix D.	
M-12-01	Submit 1100-EM-1 Operable Unit Work Plan (groundwater and source operable unit)	Jan. 1989
M-12-02	Submit 200-BP-1 Operable Unit Work Plan (groundwater and source operable unit)	Feb. 1989
M-12-03	Submit 300-FF-1 Operable Unit Work Plan (source operable unit)	March 1989
M-12-04	Submit 300-FF-5 Operable Unit Work Plan (groundwater operable unit)	Sept. 1989
M-12-05 ¹	Submit 100-HR-1 Operable Unit Work Plan (source operable unit).	June 1989
M-12-06 ¹	Submit 100-HR-3 Operable Unit Work Plan (groundwater operable unit).	June 1989
M-12-07 ¹	Submit 100-DR-1 Operable Unit Work Plan (source operable unit).	Oct. 1989
M-12-08	Submit 100-BC-1 Operable Unit Work Plan (source operable unit)	June 1990

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 $^{^{1}\}mbox{Work plan will be prepared in accordance with CERCLA guidance but will reflect RCRA terminology.$

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 2 of 4)

	<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	M-12-09	Submit 100-BC-5 Operable Unit Work Plan (groundwater operable unit)	June 1990
	M-12-10	Submit 100-KR-1 Operable Unit Work Plan (source operable unit)	Aug. 1990
	M-12-11	Submit 100-KR-4 Operable Unit Work Plan (groundwater operable unit)	Aug. 1990
	M-12-12	Submit 100-NR-1 Operable Unit Work Plan (source and groundwater operable unit)	Dec. 1990
aparox	M-12-13	Submit 100-FR-1 Operable Unit Work Plan (source and groundwater operable unit)	April 1991
	M-12-14	Submit 100-NR-3 Operable Unit Work Plan (source and groundwater operable unit)	Dec. 1990
0	M-12-15	Submit 200-UP-2 Operable Unit Work Plan (source and groundwater operable unit)	June 1991
ு 	M-12-16	Submit 100-BC-2 Operable Unit Work Plan (source and groundwater operable unit)	Aug. 1991
and	M-12-17	Submit 200-BP-5 Operable Unit Work Plan (source and groundwater operable unit)	Oct. 1991
	M-12-18	Submit 100-DR-2 Operable Unit Work Plan (source operable unit)	Dec. 1991
~	M-12-19	Submit 200-ZP-1 Operable Unit Work Plan (source and groundwater operable unit)	Feb. 1992
	M-12-20	Submit 100-KR-2 Operable Unit Work Plan (source and groundwater operable unit)	April 1992

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 3 of 4)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-13-00	Submit six RI/FS or RFI/CMS work plans per year	Annually Beginning CY 1992
	Submit a minimum of six RI/FS or RFI/CMS work plans per calendar year until work plans have been submitted for all operable units. The work plans will meet the requirements of RCRA or CERCLA depending on whether the operable unit has been assigned to RCRA Past Practices or to CERCLA (see Appendix C). DOE will implement each RI/FS or RFI/CMS upon lead regulatory agency approval and in accordance with the schedule in Appendix D.	VI 1336
	Interim milestones will be developed during each annual update of the work schedules in Appendix D. Milestones M-12-19 and M-12-20 will apply towards the six work plans scheduled for CY 1992.	
M-14-00	Complete construction and initiate operations of a low-level mixed waste laboratory	Jan. 1992
	The low-level mixed waste laboratory will provide analytical capabilities to analyze hazardous waste samples, those containing low levels of radioactivity as well as those that are strictly hazardous. The new laboratory will be sized in accordance with the design specifications of the project Conceptual Design Report.	
M-14-01	Complete definitive design for a low-level mixed waste laboratory	Sept. 1990

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Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units. (sheet 4 of 4)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-15-00	Complete the RI/FS (or RFI/CMS) process for all operable units	Sept. 2005
	All operable units (including groundwater operable units) will have been investigated through the RI/FS (or RFI/CMS) process, and the public comment period will be completed. Specific remedial actions for each operable unit will be selected.	
M-15-01A	Submit draft 1100-EM-1 Feasibility Study Phase I and II report to EPA and Ecology for review	Dec. 1990
M-15-01B	Submit draft 1100-EM-1 Remedial Investigation Phase II report to EPA and Ecology for review	Nov. 1991
M-15-01C	Submit draft 1100-EM-1 Feasibility Study Phase III report and proposed plan to EPA and Ecology for review	Apr. 1992
M-16-00	Complete the remedial actions for all operable units	Sept. 2018
	Remedial actions will be completed for each operable unit in accordance with the schedules developed as part of the remedial design (RD)/remedial action (RA) or corrective measure implementation (CMI) work plan.	

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Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 1 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-17-00	Complete liquid effluent treatment facilities/upgrades for all Phase I streams	June 1995
	Hanford currently has 19 Phase I liquid effluent streams being discharged to cribs, ponds, or ditches. Phase I streams are defined in the "Annual Status Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site," September 1988. Some of the cribs, ponds, or ditches are RCRA waste disposal units. These, along with others, are located in areas requiring inactive site investigations/ remedial actions. Liquid effluent streams are classified as Phase I streams based upon radionuclide/chemical content, regulatory requirements relative to the waste disposal unit, chemical spill potential, and waste disposal unit life expectancy.	
	Each of the 19 Phase I effluent streams will be either treated or eliminated. Specific completion dates for each waste stream are identified in the Appendix D work schedules. Completion dates for eight specific waste stream treatment or management systems are interim (enforceable) milestones. The remaining completion dates are target dates (not enforceable) which are included as such in order to allow management flexibility. Target date projects under M-17-00 shall be completed no later than June 1995.	
M-17 - 01	Complete B Pond by-pass system installation	Oct. 1990
M-17-02	Complete PUREX ammonia scrubber distillate treatment system	Jan. 1995
M-17-03	Complete PUREX demineralizer regeneration neutralization system upgrades	Sept. 1989

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Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 2 of 11)

	Number	<u>Milestone</u>	<u>Due Date</u>
	M-17-04	Complete B Plant chemical sewer upgrades	July 1992
	M-17-05	Select 300 Area Process Trench effluent treatment option and establish schedule for implementing treatment and ceasing liquid discharges	March 1990
	M-17-06	Cease all discharges to 300 Area process trenches	Dec. 1991
£0	M-17-07	Complete secondary waste treatment system	June 1995
C)	M-17-08	Complete 200 Area treated effluent system	June 1995
	M-17-09	Complete 300 Area treated effluent system	June 1995
C.	M-17-10	Cease all liquid discharges to hazardous land disposal units unless such units have been clean closed in accordance with RCRA	June 1995
~	M-18-00	Complete Waste Receiving and Processing (WRAP) Module I construction and initiate operations	Sept. 1996
Horqui	v	The WRAP Module I is required to sort and	
\bigcirc	,	repackage wastes that are planned to be retrieved from retrievable storage units	
		Much of the waste currently stored in the retrievable storage units is anticipated to be radioactive mixed waste. Some of the radioactive waste stored on the pads is known to contain extremely hazardous waste as well as federally land-banned waste.	
	M-18-01	Complete construction of WRAP Module I	Sept. 1995

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 3 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-19-00	Complete WRAP Module II construction and initiate operations	Sept. 1999
	The WRAP Module II will include waste treatment capabilities to minimize land disposal of low-level radioactive waste and radioactive mixed waste. The September 1999 completion date of WRAP Module II is critical to achieving compliance for the management of wastes that are prohibited from land disposal and extended storage.	
M-19-01	Complete construction of WRAP Module II	Sept. 1998
M-20-00	Submit Part B permit applications or closure plans for all RCRA TSD units	May 1996
·	All Part B permit applications, closure plans, and post-closure permit applications will be submitted to Ecology and the EPA by May 1996. Individual unit submittals will occur as shown in the Appendix D work schedules. Scheduled submittal dates shall be enforceable as interim milestones.	
M-20-01	Submit HWVP (TS-2-5) Part B to Ecology and EPA	July 1989
M-20-02	Submit 616 Storage Facility (S-6-1) Part B to Ecology and EPA	July 1989
M-20-03	Submit Single-Shell Tank System (S-2-4) Closure/Corrective Action Work Plan to Ecology and EPA	Sept. 1989
M-20-04	Submit 2101-M Pond (D-2-1) Closure Plan to Ecology and EPA	Sept. 1989
M-20-05	Submit Central Waste Complex - RMW Storage (B-2-4) Part B to Ecology and EPA	Oct. 1991
M-20-06	Submit Low-Level Burial Grounds (D-2-9) Part B to Ecology and EPA	Dec. 1989
M-20-07	Submit Nonradioactive Dangerous Waste Landfill (D-6-1) Closure/Post-Closure Plan to Ecology and EPA	Aug. 1990

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Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 4 of 11)

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	Number	<u>Milestone</u>	<u>Due Date</u>
	M-20-08	Submit 305-B Storage Facility (S-3-2) Part B to Ecology and EPA	Jan. 1990
	M-20-09	Submit 216-B-3 Pond (D-2-5) Closure/Post- Closure Plan to Ecology and EPA	March 1990
	M-20-10	Submit 300 Area Waste Acid System (TS-3-1) Closure Plan to Ecology and EPA (includes 311 Tanks)	June 1990
ė, C	M-20-11	Submit PUREX Tunnels (S-2-1) Part B to Ecology and EPA	Sept. 1990
	M-20-12	Submit Central Waste Complex - (TS-2-4) WRAP Part B to Ecology and EPA	Oct. 1991
<u>.</u>	M-20-13	Submit 303-K Storage Area (S-3-1) Closure Plan to Ecology and EPA	April 1990
	M-20-14	Submit 4843 Sodium Storage Facility (S-4-1) Part B to Ecology and EPA	March 1991
	M-20-15	Submit 304 Concretion Facility (TS-3-2) Closure Plan to Ecology and EPA	April 1990
	M-20-16	Submit Double-Shell Tanks (S-2-3) Part B to Ecology and EPA	June 1991
موث	M-20-17	Submit 242-A Evaporator (T-2-6) Part B to Ecology and EPA	June 1991
	M-20-18	Submit 3718-F Alkali Metal Treatment and Storage Facility (TS-3-3) Part B to Ecology and EPA	June 1991
	M-20-19	Submit Simulated High-Level Slurry Treatment/ Storage (TS-3-4) Closure Plan to Ecology and EPA	Sept. 1989
	M-20-20	Submit 325 Waste Treatment Facility (T-3-4) Part B to Ecology and EPA	August 1991
	M-20-21	Submit B Plant (TS-2-3) Part B to Ecology and EPA	Oct. 1991

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 5 of 11)

Number	<u>Milestone</u>	<u>Due Date</u>
M-20-22	Submit 222-S Laboratory (TS-2-1) Part B to Ecology and EPA	Dec. 1991
M-20-23	Submit TRUSAF Storage (S-2-2) Part B to Ecology and EPA	June 1992
M-20-24	Submit PUREX (TS-2-6) Part B to Ecology and EPA	Sept. 1992
M-20-25	Submit Hanford Patrol Academy Demolition Sites (T-11-1) Part B to Ecology and EPA	Nov. 1992
M-20-26	Submit Ashpit Demolition Site (T-2-2) Closure Plan to Ecology and EPA	Nov. 1992
M-20-27	Submit Hexone Storage and Treatment (TS-2-2) Closure Plan to Ecology and EPA	Nov. 1992
M-20-28	Submit E-8 Borrow Pit Demolition Site (T-2-1) Closure Plan to Ecology and EPA	Nov. 1992
M-20-29	Submit MASF (T-4-1) Part B to Ecology and EPA	Nov. 1993
M-20-30	Submit 303-M Oxide Facility (T-3-2) Part B to Ecology and EPA	Oct. 1992
M-20-31	Submit 1301-N/1325-N (D-1-2) Closure Plan/ Post-Closure Plan to Ecology and EPA	May 1994
M-20-32	Submit 300 Area Process Trenches (D-3-1) Closure/Post-Closure Plan to Ecology and EPA	Sept. 1992
M-20-33	Submit 216-A-10 Crib (D-2-2) Closure/ Post-Closure Plan to Ecology and EPA	March 1996
M-20-34	Submit 216-A-36B Crib (D-2-4) Closure/ Post-Closure Plan to Ecology and EPA	March 1996
M-20-35	Submit 1324-N/1324-NA (T-1-2) Closure Plan to Ecology and EPA	Sept. 1994
M-20-36	Submit 216-A-29 Ditch(D-2-3) Closure/ Post-Closure Plan to Ecology and EPA	May 1996

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Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 6 of 11)

	<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	M-20-37	Submit 216-U-12 Crib (D-2-8) Closure Plan/ Post-Closure Plan to Ecology and EPA	Nov. 1994
	M-20-38	Submit 216-B-63 Trench (D-2-6) Closure Plan to Ecology and EPA	May 1996
	M-20-39	Submit 216-S-10 Pond and Ditch (D-2-7) Closure Plan to Ecology and EPA	May 1996
	M-20-40	Submit 100-D Ponds (D-1-1) Closure Plan to Ecology and EPA	Feb. 1993
<u>с</u>	M-20-41	Submit 105-DR (T-1-1) Closure Plan to Ecology and EPA	Sept. 1990
L	M-20-42	Submit Thermal Treatment (T-X-3) Part B to Ecology and EPA	Dec. 1993
C	M-20-43	Submit Physical/Chemical Treatment (T-X-2) Part B to Ecology and EPA	Dec. 1994
У	M-20-44	Submit Biological Treatment (T-X-1) Part B to Ecology and EPA	Dec. 1995
	M-20-45	Submit petitions to Ecology to withdraw Part A permit applications for 332 Storage Facility, 1706-KE Treatment Facility, 2727-WA Sodium Storage Facility, 221-T Alkali Metal Treatment and Storage Facility, and 324 Sodium Treatment Pilot Plant	June 1989
•	M-20-46	Submit petitions to Ecology to manage the following facilities as "treatment by generator" facilities: T Plant Treatment Tank, 222-S Treatment Tank, PUREX Treatment Tanks, 204-AR Waste Unloading Facility, and 241-Z Treatment Tank	June 1989
	M-21-00	Submit RCRA interim status compliance assessments for all TSD units	April 1989
		RCRA operational units and those undergoing closure will be assessed for compliance with RCRA and state Dangerous Waste interim status requirements. Part A applications which will be withdrawn or units not yet constructed are not included in these assessments. Copies of the assessment documentation will be provided	
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Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 7 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	to Ecology within 30 days of assessment completion. The last assessment will be completed by March 31, 1989. Facilities to be assessed by March 31, 1989, include tank farms, low-level burial grounds, Plutonium Finishing Plant, PUREX, B Plant, N Reactor, 100 K Area Fuel Storage, Fast Flux Text Facility, T Plant, 222-S, 616 Storage Facility, Central Waste Complex, Nonradioactive Dangerous Waste Landfill, 300 Area Fuel Fabrication Facilities, Patrol demolition site, 4843 Sodium Storage Facility, 3718-F Alkali Metal Treatment and Storage, single-shell tanks, hexone tanks, 183-H, 2727-S, 300 Area Solvent Evaporator, 105-DR Sodium Fire Facility, E-8 Borrow Pit, 200 West Ash Pit, 216-U-12 Crib, 2101-M Pond, 216-S-10 Ditch and Pond, and 100-D Ponds.	
M-22-00	Establish enforceable compliance action schedules	Dec. 1989
	Schedules will be developed for review and approve by Ecology and the EPA for any actions identified in the interim status compliance assessments that are necessary to ensure compliance with interim status requirements. Specific compliance actions will become enforceable interim milestone under M-23-00.	<u> </u>
M-22-01	Submit petitions or requests for variance from interim status standards to Ecology and EPA	Sept. 1989

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Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 8 of 11)

<u>Number</u>	Milestone	<u>Due Date</u>
M-23-00	Complete Interim Status Corrective Actions	Sept.1991
;	Complete actions identified in interim status compliance assessments (M-21-00) excluding groundwater monitoring and closure plans.	
	Petitions for modification of inspection and labeling requirements were submitted to Ecology in September 1989 (M-21-01). Pending resolution, inspections and labeling will be performed per existing operations procedures.	
M-23-01	Resubmit Treatment by Generator Requests for: T-Plant, 222-S, PUREX and 204-AR.	June 1990
M-23-02	Resubmit Request for Part A Permit Application withdrawal for the following facilities: 221-T Containment System Test Facility and the 324 Sodium Removal Pilot Plant.	Jan. 1990
M-23-03	Complete Waste Analysis Plans for Double Shell Tanks, 242-A Evaporator, and B Plant active TSD units. Waste Analysis Plans will be upgraded when additional laboratory capabilities are available pursuant to Milestones M-11-00 and M-14-00.	Dec. 1990
M-23-04	Complete Waste Analysis Plans for 4843 Storage Facility and Single Shell Tanks.	June 1990
M-23-05	Complete Contingency Plans for Low-Level Burial Grounds, 4843 Storage Facility, Central Waste Complex, T-Plant, TRUSAF, and 616.	June 1990
M-23-06	Complete Contingency Plans for Single-Shell Tanks, Double-Shell Tanks and 242-A Evaporator.	Oct. 1990
M-23-07	Complete Interim Status Corrective Actions for 222-S Storage Pad.	March 1990
M-23-08	Complete Interim Status Corrective Actions for 4843 Storage Facility.	June 1990
	M-23-01 M-23-02 M-23-03 M-23-04 M-23-05 M-23-06 M-23-07	M-23-00 Complete Interim Status Corrective Actions Complete actions identified in interim status compliance assessments (M-21-00) excluding groundwater monitoring and closure plans. Petitions for modification of inspection and labeling requirements were submitted to Ecology in September 1989 (M-21-01). Pending resolution, inspections and labeling will be performed per existing operations procedures. M-23-01 Resubmit Treatment by Generator Requests for: T-Plant, 222-S, PUREX and 204-AR. M-23-02 Resubmit Request for Part A Permit Application withdrawal for the following facilities: 221-T Containment System Test Facility and the 324 Sodium Removal Pilot Plant. M-23-03 Complete Waste Analysis Plans for Double Shell Tanks, 242-A Evaporator, and B Plant active TSD units. Waste Analysis Plans will be upgraded when additional laboratory capabilities are available pursuant to Milestones M-11-00 and M-14-00. M-23-04 Complete Waste Analysis Plans for 4843 Storage Facility and Single Shell Tanks. M-23-05 Complete Contingency Plans for Low-Level Burial Grounds, 4843 Storage Facility, Central Waste Complex, T-Plant, TRUSAF, and 616. M-23-06 Complete Contingency Plans for Single-Shell Tanks, Double-Shell Tanks and 242-A Evaporator. M-23-07 Complete Interim Status Corrective Actions for 222-S Storage Pad. M-23-08 Complete Interim Status Corrective Actions

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 9 of 11)

	Number	<u>Milestone</u>	<u>Due Date</u>
	M-23-09	Notify Ecology of Decision on Operating Status of 3718-F Alkali Metal Treatment Facility.	Sept. 1990
	M-23-10	If Operational, Complete Interim Status Corrective Actions for 3718-F.	Sept. 1991
	M-23-11	Complete Interim Status Corrective Actions for Single Shell Tanks.	Dec. 1990
	M-23-12	Complete Interim Status Corrective Actions for Double Shell Tanks.	Dec. 1990
<i>ေး</i> ဇာ	M-23-13	Complete Interim Status Corrective Actions for 242-A Evaporator.	Dec. 1990
(~ .	M-23-14	Complete Interim Status Corrective Actions for Low-Level Burial Grounds.	Jan. 1991
C)	M-23-15	Complete Interim Status Corrective Actions for TRUSAF (224-T).	June 1990
♂	M-23-16	Complete Interim Status Corrective Actions for 616 facility.	June 1990
	M-23-17	Complete Interim Status Corrective Actions for Central Waste Complex.	June 1990
0	M-23-18	Complete Interim Status Corrective Actions for B-Plant.	Sept. 1991
0	M-23-19	Complete All B-Plant Cell 4 Corrective Actions.	Dec. 1990
	M-23-20	Complete Interim Status Corrective Actions for T-Plant.	Jan. 1991
	M-24-00	Install RCRA groundwater monitoring wells at the rate of 29 in CY 1989, 30 in CY 1990, and 50 per year thereafter until all land disposal units and single-shell tanks are determined to have RCRA compliant monitoring systems	Annually Beginning CY 1989
		USDOE will install groundwater monitoring wells around RCRA land disposal units and the single-shell tanks at the rate described above until Ecology determines that all such groundwater monitoring systems meet the requirements of WAC 173-303-645.	

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 10 of 11)

Number	<u>Milestone</u>	<u>Due Date</u>
	Installation of groundwater wells shall mean that wells have been drilled, adequately sealed, and screened over no more than 15 feet of the aquife unless otherwise approved by Ecology, that all pumps and associated sampling equipment have been installed, and that such wells have been develop sufficiently to provide satisfactory samples for all parameters to be analyzed.	er en
	Specific units to receive groundwater wells and the number of wells to be installed at each unit will be identified in Appendix D in two-year intervals (i.e., CY 1989 and CY 1990 now, CY 199 and CY 1991 at the next annual update, etc.). Such schedules will be enforceable as interim milestones.	
M-24-01	Install 10 additional wells around the Low- Level Burial Grounds for a total of 45 RCRA groundwater wells	Dec. 1989
M-24-02	Install 5 additional wells around B Pond for a total of 9 RCRA monitoring wells	Dec. 1989
M-24-03	Install 12 wells around the SSTs for a total of 12 RCRA monitoring wells	Dec. 1989
M-24-04	Install 2 additional wells around the grout vault area for a total of 7 RCRA monitoring wells	Dec. 1989
M-24-05	Install 1 additional well around the Grout Vault Area for a total of 8 RCRA monitoring wells	Dec. 1990
M-24-06	Install 6 additional wells around the Low- Level Burial Grounds for a total of 51 RCRA monitoring wells	Dec. 1990
M-24-07	Install 11 additional wells around the SSTs for a total of 23 RCRA monitoring wells	Dec. 1990
M-24-08	Install 4 wells around the B-63 Trench for a total of 4 RCRA monitoring wells	Dec. 1990

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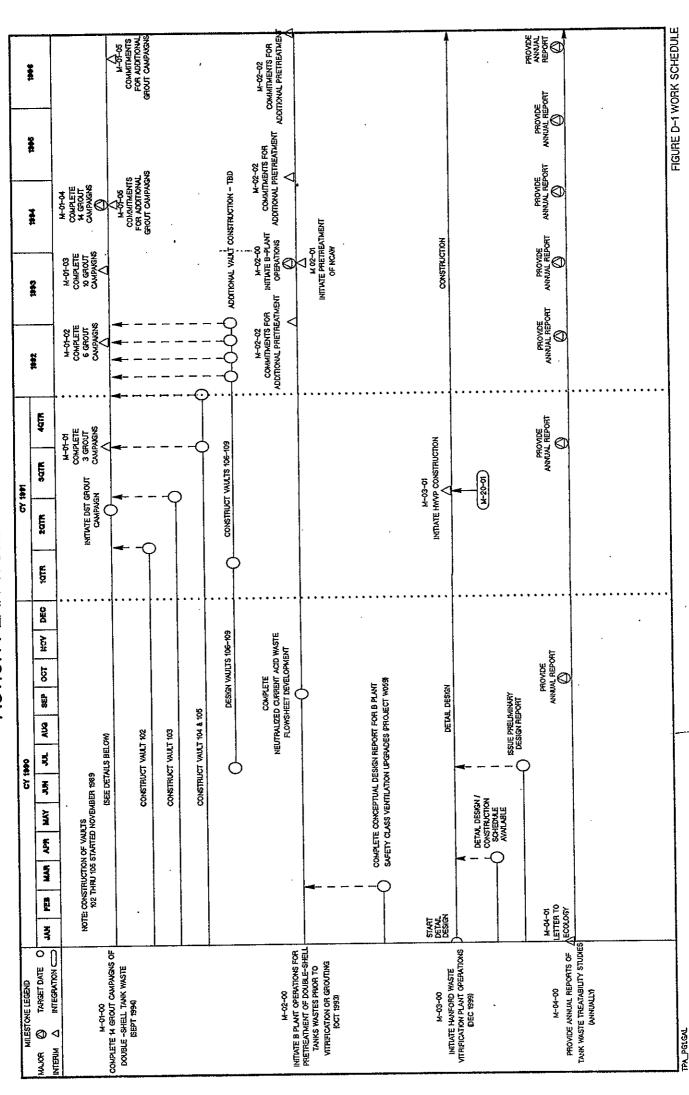
Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 11 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-24-09	Install 3 wells around the S-10 Ditch and Pond for a total of 3 RCRA monitoring wells	Dec. 1990
M-24-10	Install 4 wells around the U-12 Crib for a total of 4 RCRA monitoring wells	Dec. 1990
M-24-11	Install 1 additional well around B Pond for a total of 11 RCRA monitoring wells	Dec. 1990
M-24-12	Install 18 additional RCRA wells around low- level burial grounds (69 total)	Dec. 1991
· M-24-13	Install 3 RCRA wells around 216-S10-Pond	Dec. 1991
M-24-14	Install 4 additional RCRA wells around the 100-D Ponds	Dec. 1991
M-24-15	Install 10 additional RCRA wells around the SSTs (33 total)	Dec. 1991
M-24-16	Install 7 additional RCRA wells around the B-Pond (17 total)	Dec. 1991
M-24-17	Install 4 additional RCRA wells around the 1324-N/NA Ponds	Dec. 1991
M-24-18	Install 4 additional RCRA wells around the 216-A-29 ditch	Dec. 1991
M-25-00	Provide annual reports of studies/efforts that are in progress to identify alternatives to land disposal of radioactive mixed wastes	Annually Beginning March 1990
	The annual reports will provide information regarding actions taken to minimize waste generation, recycle/reclaim wastes, or treat wastes.	
	No interim milestones to be identified; each annual report is tracked as a major milestone.	

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ACTION PLAN WORK SCHEDULE

PAGE 1 OF 25



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ACTION PLAN WORK SCHEDULE

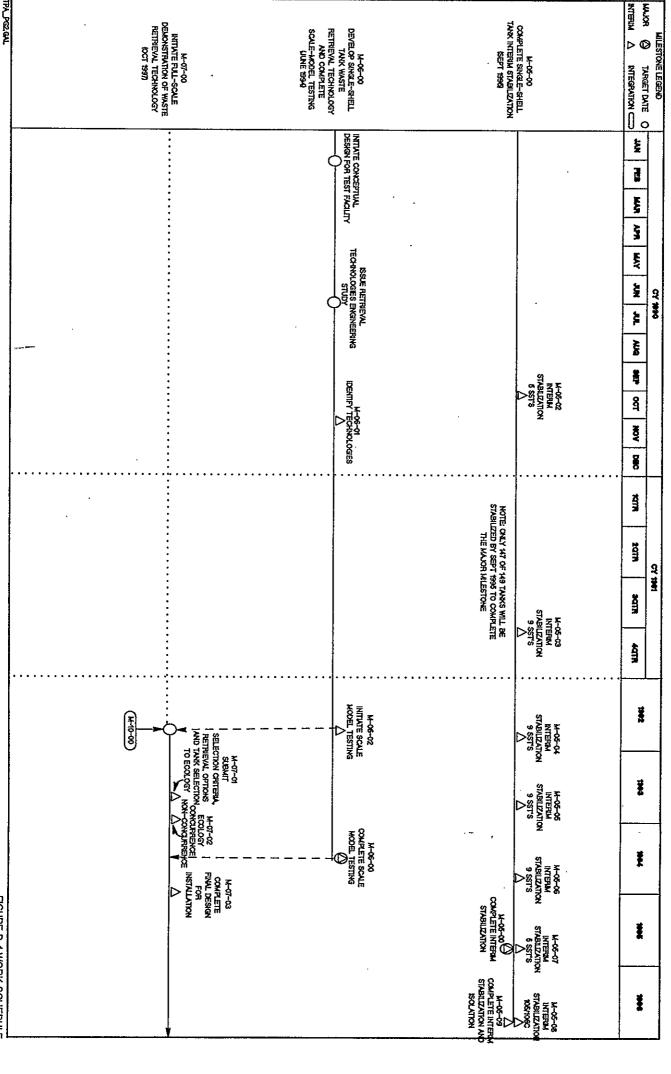


FIGURE D-1 WORK SCHEDULE

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ACTION PLAN WORK SCHEDULE

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M-08-00 INITATE FULL-SCALE TANK FARM CLOSURE DEMONSTRATION PROJECT ULINE 2004)	NO ACTIVITY THEIJ DEC 1996 - FOLLOW ON ACTIVITY TO IA-06-00 AND IA-07-00	DEC 1996	i - F0110	W ON ACI	TIVITY TO &	4-06-00	AND M-07-	8						· · · · · · · · · · · · · · · · · · ·						
K-09-10 Complete closure of all H9 single-shiel Tanks Uine 2018)	DEFINITIVE SCHEDULE TO BE INCORPORATED BASED ON SST SYSTEM CLOSURE/CORHECTIVE ACTION WORK PLAN (SEE 14-20-03)	A.E. TO BE TWE ACTIO	OGROOM N	PANTED BA		ST SYSTE									Q	P.P.C.	S WORK PLAN	S AND SST OPERA	RPICAS WORK PLANS AND SST OPERABLE UNIT CHARACTERIZATION	FERENTON
W-10-00 COMPLEE MALYSES OF AT LEAST	M-10-03 OBTAN 15 COPE SAMPLES FROM 2 TANKS DEC 89)	≅ 8(ITATE US	INITIATE USE OF CORE TRUCK WHD SCREEN	GREEN			K. OB CORE FROM	M-10-04 OBTAIN 12 CORE SAMPLES FROM			ı	M-10-05 OBTAIN 20 CRORE SAMPLES FROM 10 TANKS	•••	M-10-06 OBTAIN 20 CORE SAMPLES FROM 10 TANKS	M-10-07 OBTAIN 22 COPE SAMPLES FROM 11 TANKS		M-10-08 OBTAIN 44 CORE SAMPLES FROM 22 TANKS	K-10-09 OBTAIN 44 CORE SAMPLES FROM 22 TANKS	H-10-10 OBTAIN 44 LES CORE SAMPLES NKS FROM 22 TAVIKS
SAMPLES FROM EACH SWELE-SHELL SEPT 1999 M-11-00 COMPLETE CONFERENCE OF FORMULES OFFRATIVES OF FORMULES	THROW AWAY SAMPLERS THROW CON ISSUED JUNE 1989)	`	PANDING	Р. В.	70E			STANT DEFINITIVE DESIGN	## # # # # # # # # # # # # # # # # # #				M-11-02 COMPLETE DEFINITIVE DESKEN	№ 70-м	COMPLETE CONSTRUCTION	M-11-00 Wattate			
LABORATION HOT CELLS FOR HIGH-LEVEL RADNOACTIVE MIXED WASTE (JUNE 1994)]							 		3		

ACTION PLAN WORK SCHEDULE

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\$ # Ī ## 62 20 WORK PLANS
SUBMITTED 1997 #QTR SOTH PUL Ē DEC C NOTE: WORK PLAN SUBMITTED MAR 89. NOTE: WORK PLAN SUBMITTED JUN 89. Š (SEE DETAILS BELOW) AUG SEP OCT WORK PLAN APPROVED AUG 89, (SEE M-15-01 FOR RUFS ACTIVITIES) 30% (¥-16-03 ķ HAR APR EPA/ECOLOGY REVIEW JAN PEB EPA/ECOLOGY REVIEW (H-15-02) TARGET DATE OF M-12-00 SUBMIT RUPS OR RFICALS WORK PLANS FOR 20 OPERABLE UNITS 4/PRL 1592) MIESTONE LEGEND M-12-04 300-17-5 (GROUNDWATER OPERABLE UNIT) *-12-01 100-EM-1 X+12-02 200-89-1 ×-12-05 20-18-1 ¥12-63 300-肝-1 ◎ INTERIM A MAJOR

FIGURE D-1 WORK SCHEDULE

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ACTION PLAN WORK SCHEDULE

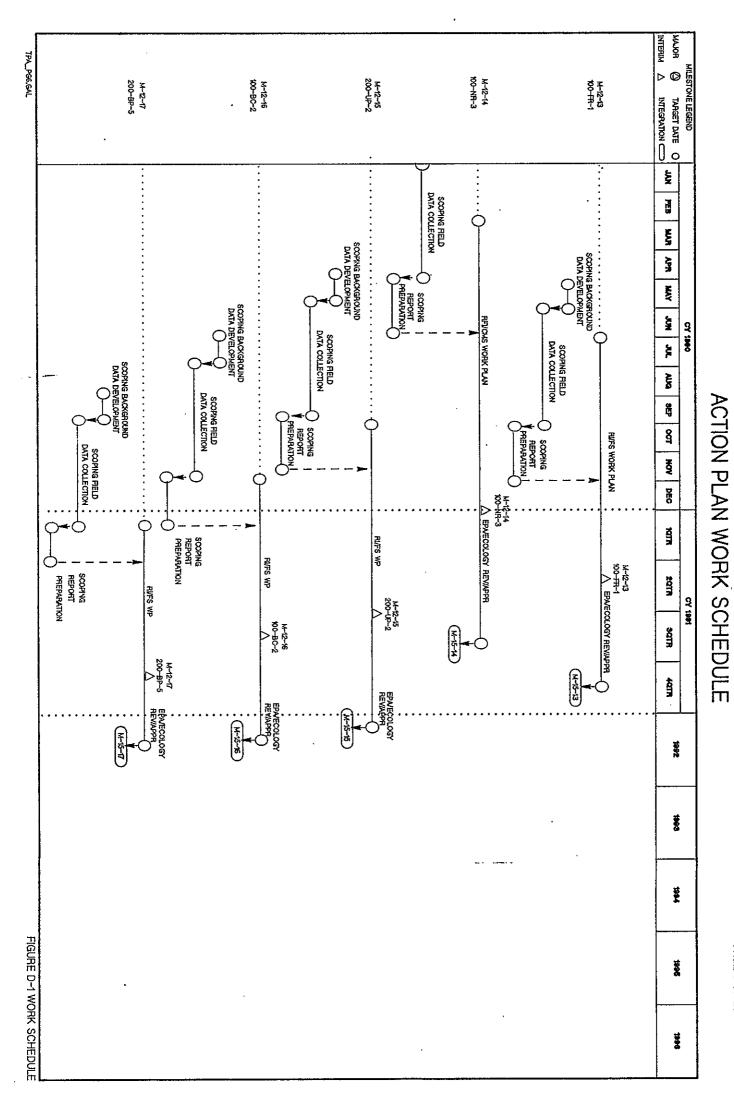
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APPROVAL ŽĮ, PUBLIC COMMENT
AND EPAFECOLOGY
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AND EPAECOLOGY
APPROVAL DEC EPA/ECOLOGY REVIEW ₹ SCOPING REPORT PREPARATIONS EPA/ECOLOGY REVIEW SEP 001 X-12-10 100-KR-1 RFVCMS WORK PLAN 250 PRELIMINARY FIELD ACTIVITIES SCOPING FIELD DATA COLLECTION PRELIMINARY FIELD ACTIVITIES JUN JUL X-12-03 50-50-5 C√ 1980 SCOPING BACKGROUND
DATA DEVELOPMENT EPA/ECOLOGY REVIEW PRELIMINARY FIELD ACTIMITIES PRELIMINARY RELD ACTIVITIES KY FUFS WORK PLAN ¢.... RIFS WORK PLAN 4 RIVES WORK PLAN RUFS WORK PLAN ž EPA/ECOLOGY REVIEW Ê XX. TARGET DATE O M-12-11 100-KR-4 (SROUNDWATER OPERABLE UNIT) M-12-06 100-HR-3 (SROUNDWATER OPERABLE UNT) M-12-09 100-BO-5 (GROUNDWATER OPERABLE UNIT) ₹-12-10 400-1431-1 7-12-12 130-NR-1 100-001 X-12-08 300-80-1 **Ø** INTERIM A ¥203

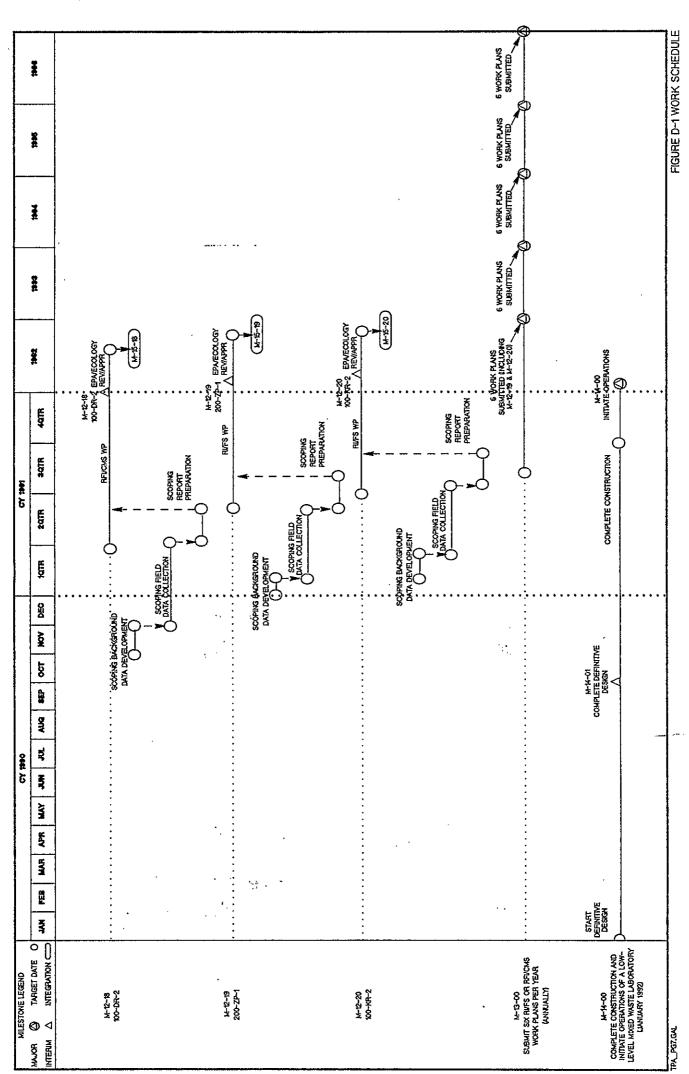
FIGURE D-1 WORK SCHEDULE

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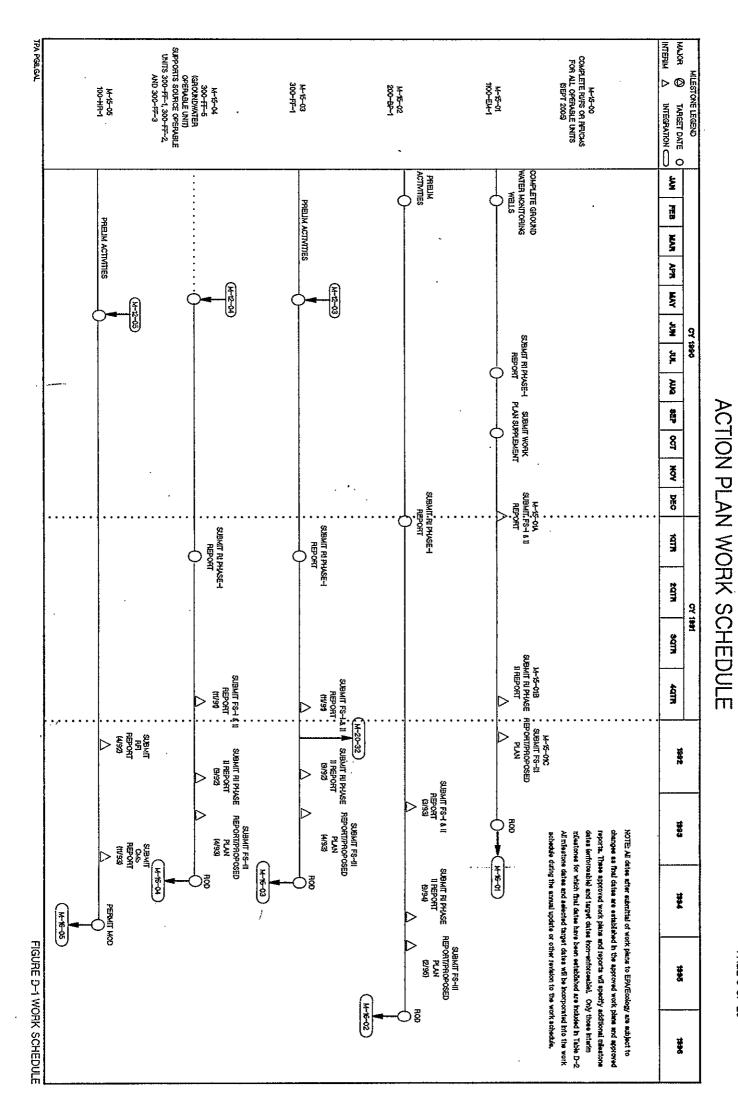
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ACTION PLAN WORK SCHEDULE



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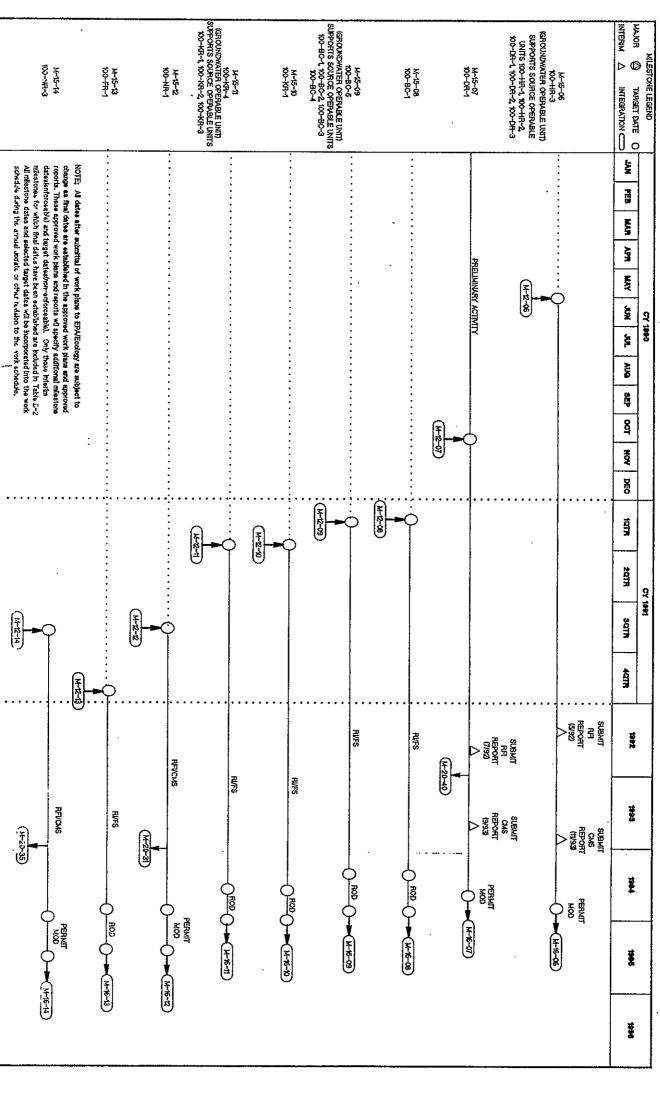
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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE

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ACTION PLAN WORK SCHEDULE

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TPA PGTO.GAL MIERIM D ADDITIONAL OPERABLE UNITS 100-K9-20 **第一节 第一 1 1** ₹-15-19 200-27-1 F-15-28 M-15-17 200-BP-5 200-UP-2 INTEGRATION CO Š All milestone dates and selected target dates will be incorporated into the work milestones for which final dates have been established are included in Table D-2 schedule during the armual update or other revision to the work achedule reports. These approved work plans and reports will specify additional milestone change as final dates are established in the approved work pians and approved NOTE: All dates after submittal of work plans to EPA/Ecology are subject to latesferiforceable) and target dates from enforceable). Only those interim KAN KAN HAY JUE JUE CY 1986 AUG BEF OCT NOV DEC Ŕ ZQTR CY 138 RIDE RIDE Q E (4-2-ts) #2-8 -8 Ħ ADDOTTOWAL RUFS'S OR REPCOUS'S INITIATE 6 OPERABLE UNITS PER YEARS K-2-9 M-12-20 ## H-20-37 ## **25** #

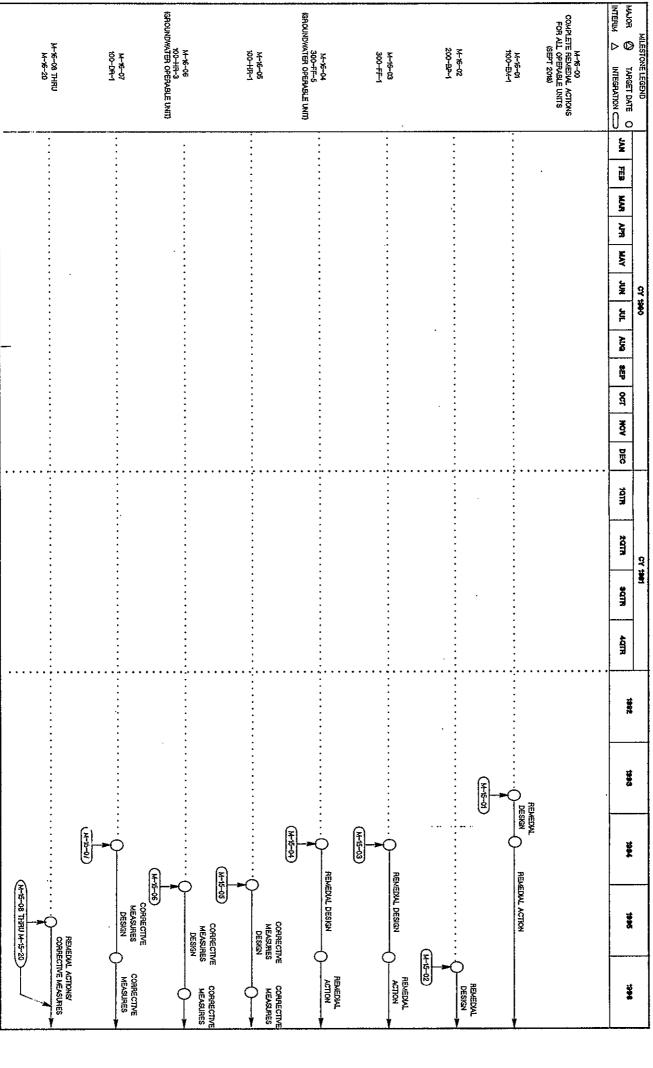
FIGURE D-1 WORK SCHEDULE

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FIGURE D-1 WORK SCHEDULE

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

ACTION PLAN WORK SCHEDULE



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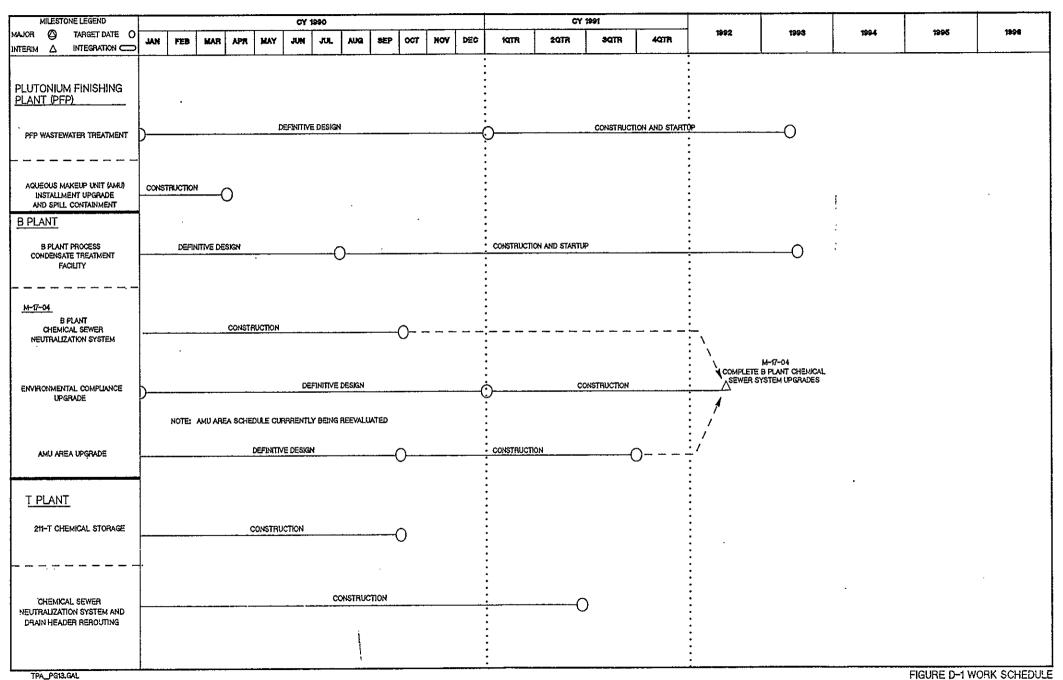
ACTION PLAN WORK SCHEDULE

MAID NO. MAID NOTE COLORS MAIN		
CHANGE PACAVEE BAT CONSTRUCTION CONSTRUCT	••••••••••••	
MADES (A) FARREST DATE O MADE AND THE STABLES THE COMPLETE CHANGE PACKAGE PARKET FOR ALL PACES TERMAS LUNE 1999 INFORM STEMAS PARKET STEMA COMPLETELY PROCESS CONDENSATE TREATMENT SYSTEM PARKET STEMA COMPLETELY PA		
CONSTRUCTION AND AND AND AND AND AND AND AND AND AN	•••••••	
MAN MAN MAN JUL AUG SEP OOT NOV DEC 10TR 20TR	CONSTRUCTION	DESIGN
CY 1980 JUN PEB MAN APR MAY JUL AMA SEP OCT NOV DEC 1987 2978 SSEE DETALS BELOW:	••••••	
CY 1990 JAN PEB MAR APR MAY JUL AUG SEP OCT NOV DEC 10TR 20TR SEE DETALS BELOW:		
MILESTONE LEGEND O TARGET DATE O LAN PES MAR APR MAY JUL AUG SEP OCT NOV DEC 1971 20TR 20TR		
MIESTONE LEGEND CY ##90	40TR	

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ACTION PLAN WORK SCHEDULE



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ACTION PLAN WORK SCHEDULE

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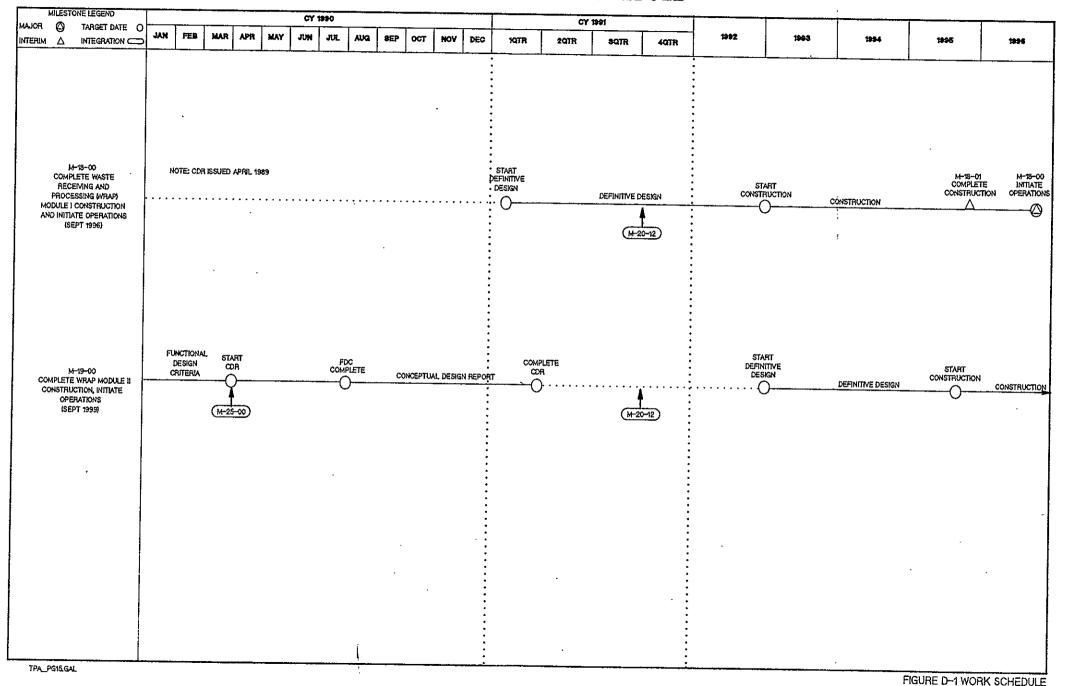
FIGURE D-1 WORK SCHEDLULE M-17-09 COMPLETE 300 AREA WASTE TREATMENT SYSTEM W-17-08 COMPLETE 200 AREA TREATED EFFLUENT SYSTEM M-17-07 SECONDARY WASTE TREATMENT SYSTEM 3 **∆STARTUP △** \ STARTUP\ 8 CONSTRUCTON

CONSTRUCTON COMPLETE CONSTRUCTION CONSTRUCTION COR REQUIRED AS A BASIS FOR VALIDATION PRIOR TO REQUESTING FUNDS FROM CONGRESS, 1992 PROJECT FUNDING REQUEST IS TO BE SUBMITTED MID 1990 CONSTRUCTION AND STARTUP CONSTRUCTION AND STARTUP **1** 2002 DEFINITIVE DESIGN DESIGN DESIGN CONSTRUCTION DEFINITIVE DESIGN M-G-06 CEASE DISCHARGES TO 300 AREÅ PROCESS TREMOHES 1985 #OH SOTA CY 1991 2dTP ħ. ž NOTE: SCHEDULE TO COMPLETE 222~5 LABORATORY AND CHEMICAL. SEWEN UPGRADES CARRENTLY BEING DEFINED BASED ON BAT EVALUATION VALIDATION AND FUNDING ઠ્ઠ # PQ. DEFINITIVE DESIGN 支 CY #80 M-17-05
SELECT TREATMENT OPTION
AND ESTABLISH IMPLEMENTATION
SCHEDULE \$ CHANGE PACKAGE SUBMITTED TO ADD TARGET DATES MAY SCHEDULE AND CONCEPT CURRENTLY BEING REEVALUATED MAR APR CONSTRUCTION ទី ã Ŧ. STABLISH ទី 3 TARGET DATE 0 INTEGRATION () M-T-09 300 AREA SYSTEM TREATED EFFLUENT DISPOSAL M-17-05 M-17-06 300 AREA PROCESS THENCH 222-S LABORATORY AND CHEMICAL SEWER UPGRADES N-17-08 200 AREA SYSTEM TREATED EFFLUENT DISPOSAL 242-A EVAPORATOR PROCESS CONDENSATE TREATMENT LAUNDRY EFFLUENT 2724-W WASTEWATER TREATMENT SECONDARY WASTE TREATMENT SYSTEM 200E LAUNDRY H-17-07 TPA_PGIA.GAL GENERAL ூ MAJOR

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ACTION PLAN WORK SCHEDULE

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ACTION PLAN WORK SCHEDULE

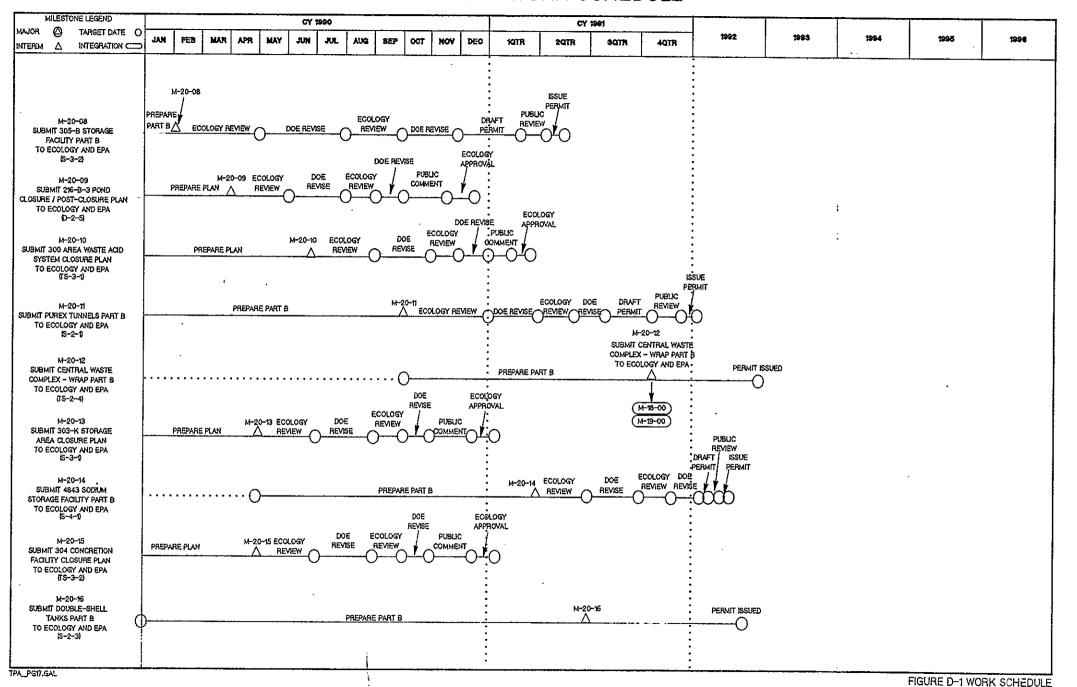
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SUBAIT PART B PERMIT APPLICATIONS OR CLOSURE PLANS FOR ALL RICRA THEATMENT, STORAGE OR DISPOSAL. (TSD) UNITS FIGURE D-1 WORK SCHEDULE ** 9 120 # # SSUED C 1992 #104 SEE PREPARE PART B CY 1997 EQ14 PUBLIC PERMIT HEVIEW PERMIT DOE REYISE KEE SEE DETAILS BELOW SEC SEC NOTE: SCHEDULE TO DRAFT ≩ ठ्ठ POE REVISE M-20-07 ECOLOGY ECOLOGY APPROVAL POE PENSE PENSE ij 200 PERMIT ş CY 1860 APPROVAL ECOLOGY 3 DOE REVISE MAY DOE REVISE PUBLIC ECOLOGY REVIEW MAN APR REVISE BEVISE PEVISE (ECOLOGY REVIEW H20-06 ECOLOGY REVIEW Ē ECOLOGY REVIEW 3 烙 TARGET DATE O M-20-07
SUBMIT NOWBADKOACTIVE DANGEROUS
WASTE LANDEHL
GLOSURE 1 POST-CLOSURE PLAN
TO ECOLOGY AND EPA
D-6-0 INTEGRATION () W-20-00 Subait Parta Bermit Applications or Closhe Plans For all Rota Theatheni, Storage or Disporal (Scolums May 1996) M-20-01 SUBMIT HWVP PART B TO ECOLOGY AND EPA (15-2-5) N-20-02 SUBMIT ON STORAGE FACILITY PART B TO ECOLOGY AND EPA IS-6-1 H-20-03
SUBMIT SST SYSTEM
CLOSURE / CORRECTIVE
ACTION WORK PLAN
TO ECOLOGY AND EPA
IG-2-4 M-20-05 SUBMIT CENTRAL WASTE OOMPLEX - RAW STORAGE PART B TO ECOLOGY AND EPA (15-2-4) N+20-06 SUBMIT LOW-LEVEL BURIAL GROUNDS PART B D-2-9) M-20-04 SUBMIT ZIOF-M POND CLOSURE PLAN TO ECOLOGY AND EPA 60-2-9 ➂ MEDIN MAJOR

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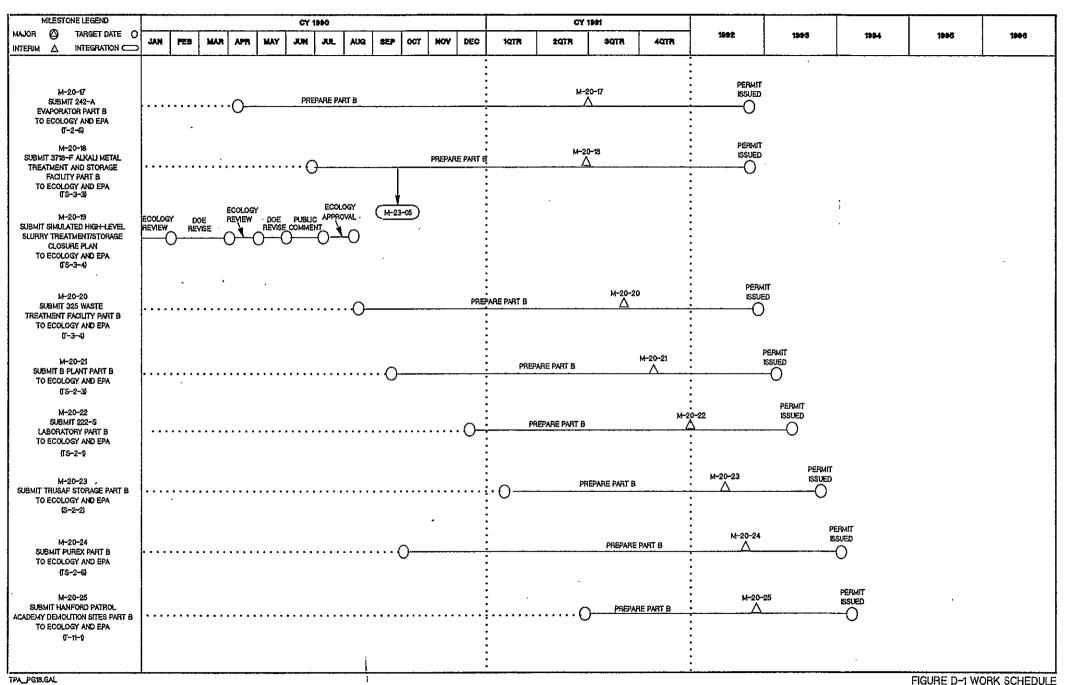
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ACTION PLAN WORK SCHEDULE



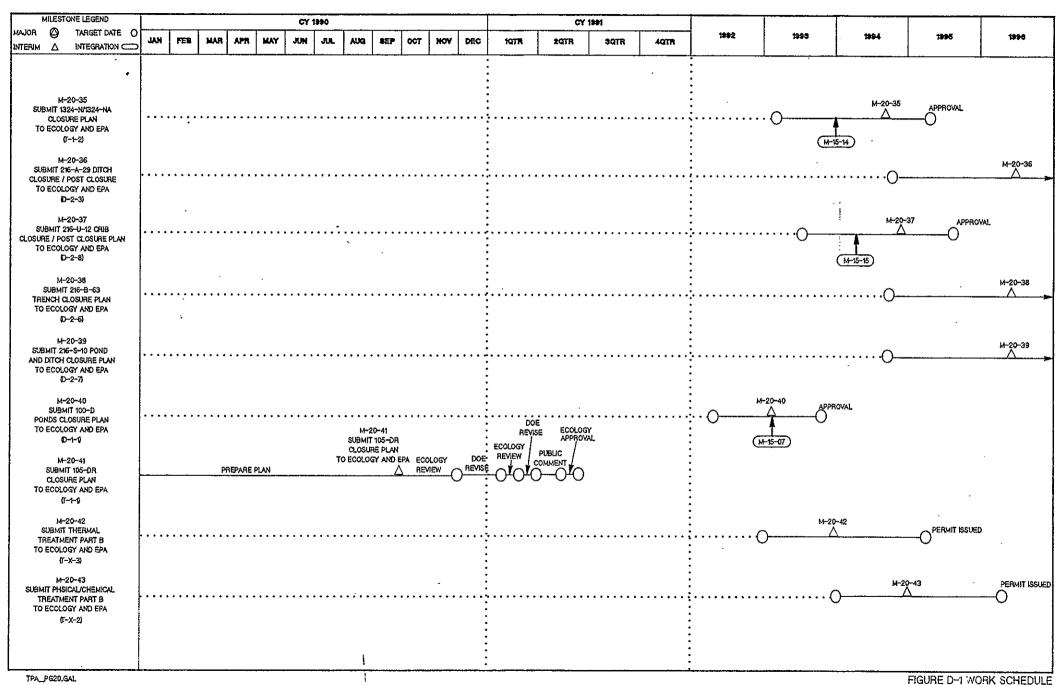
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ACTION PLAN WORK SCHEDULE

MILESTONE LEGEND	1						1990			-						CY 1	91			i		T	<u> </u>	
MILESTONE LEGEND VAJOR () TARGET DATE (T				1				T		<u>. T.</u>		4000			3QTR	4011		1992	1993	1994	1995	1996
TERIM A INTEGRATION	JAN	PEB	MAR	APR	MAY	JUN	JUL	AUG	\$EP	oc	r Ho	<u>ا</u> ۲	DEC	107R	20	atr	adik	4011	Λ.			<u> </u>		
M-20-26 Submit ashpit demolition Site closure plan To ecology and epa (T-2-2)			• • • • •		• • • •	••••		• • • •	• • • •						• • • • •	•••	• • • • • •		(₩-20-2i	APPROVA	M.		
M-20-27 SUBMIT HEXONE STORAGE AND TREATMENT CLOSURE PLAN TO ECOLOGY AND EPA (IS-2-2)				• • • •		••••			•••	•••		•••		••••			•••••	0	-	M-20-2	7 дрряо	VAL.		
M-20-28 SUBMIT E-8 BORROW PIT DEMOLITION SITE CLOSURE PLAN TO ECOLOGY AND EPA (T-2-1)		• • • • •	• • • • •	••••		• • • • • -	<i>"</i>	••••			· • • • • ·	•••			• • • • •		•••••	••••	• • •	M-20-2:	APPRO M-20			
M-20-29 Submit masf part B To ecology and EPA (T-4-1)		• • • • •	• • • • •		• • • •	• • • • •		• • • •		• • • •		•••	;		••••	• • • •	•••••		• • •	M-20-30	· O	<u> </u>	PERMIT ISSUED	
M-20-30 Submit 303-M OXIDE FACILITY PART B TO ECOLOGY AND EPA (T-3-2)	•••		• • • •	••••	••••	••••	• • • •	• • • •	•••	• • • •	• • • •	• • •	;	•••••			0					PERMIT ISSUED		
M-20-31 Submit 1301-1/1325-N DIOSURE PLAN / POST CLOSURE PLA TO ECOLOGY LAND EPA (D-1-2)		• • • • •	• • • • •	• • • •	••••	• • • • •	• • • •		· • •	• • • •	• • • •	•••			• • • • •		•••••	• • • • • •	• • • •	: 		M-15-12	APPROVAL	
M-20-32 SUBMIT 300 AREA PRÍOCESS TRENCHES CLOSURE / POST CLOSURE PLAN TO ECOLOGY AND EPA D-3-0			••••	• • • •	• • • • •		••••	• • • • •	•••	• • • •		• • •		••••••	• • • •		• • • • •	• • • • •		M-20-32	APPROV	AL.		approval
M-20-33 - SUBMIT 26-A-10 CRIB CLOSURE / POST CLOSURE PLAN TO ECOLOGY AND EPA D-2-2)		••••	••••		••••	• • • •	• • • •		• • • •	•••	• • • • •	• • •		• • • • • •		••••	• • • • • •		•••				·O	M-20-33 APPROVAL
M-20-34 Submit 2/6-a-36b Crib Closure / Post-Closure Plan To Ecology and Epa D-2-4)		• • • • •	• • • •	••••			. 	i		••••	• • • •	•••			• • • • •		. 		•••	: : :	• • • • • • • • • • • • • • • • • • • •		. 0	M-20-34
PA_PG19.GAL		·· ·-						1					:	· · · · · · · · · · · · · · · · · · ·						<u>:</u>			FIGURE D-1 W	ORK SCHEDUL

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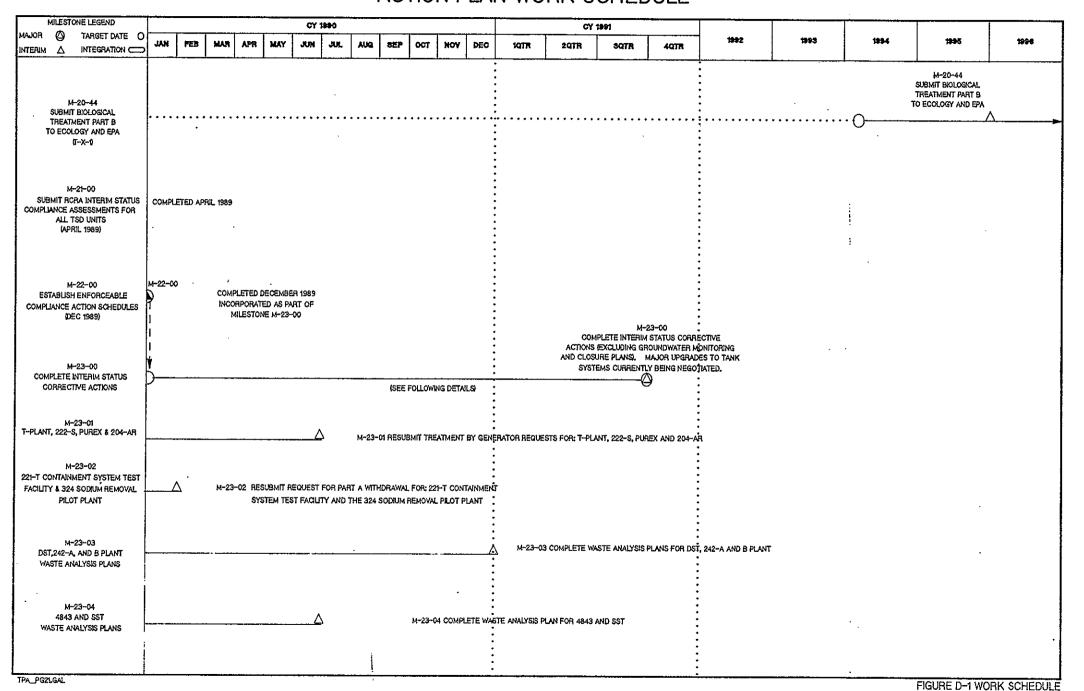
ACTION PLAN WORK SCHEDULE



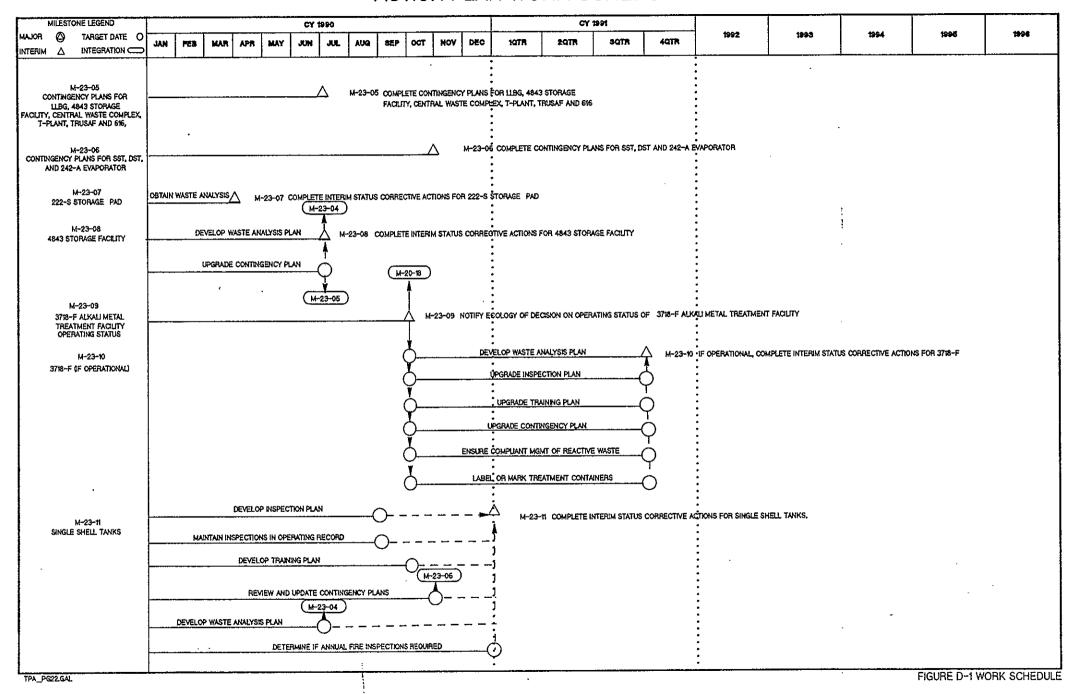
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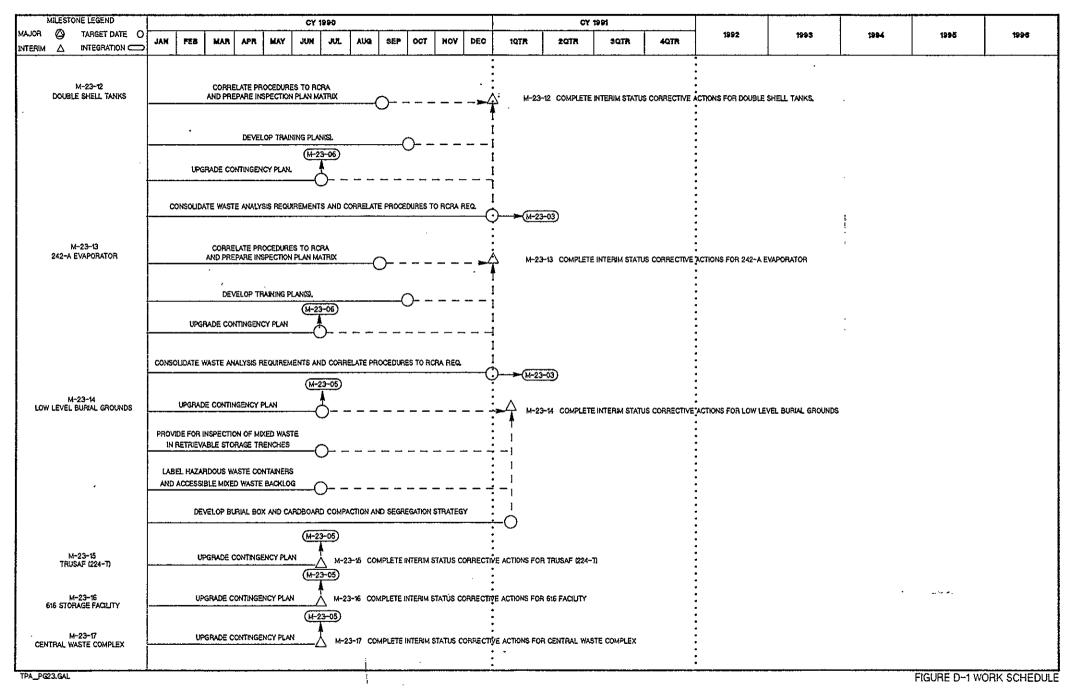
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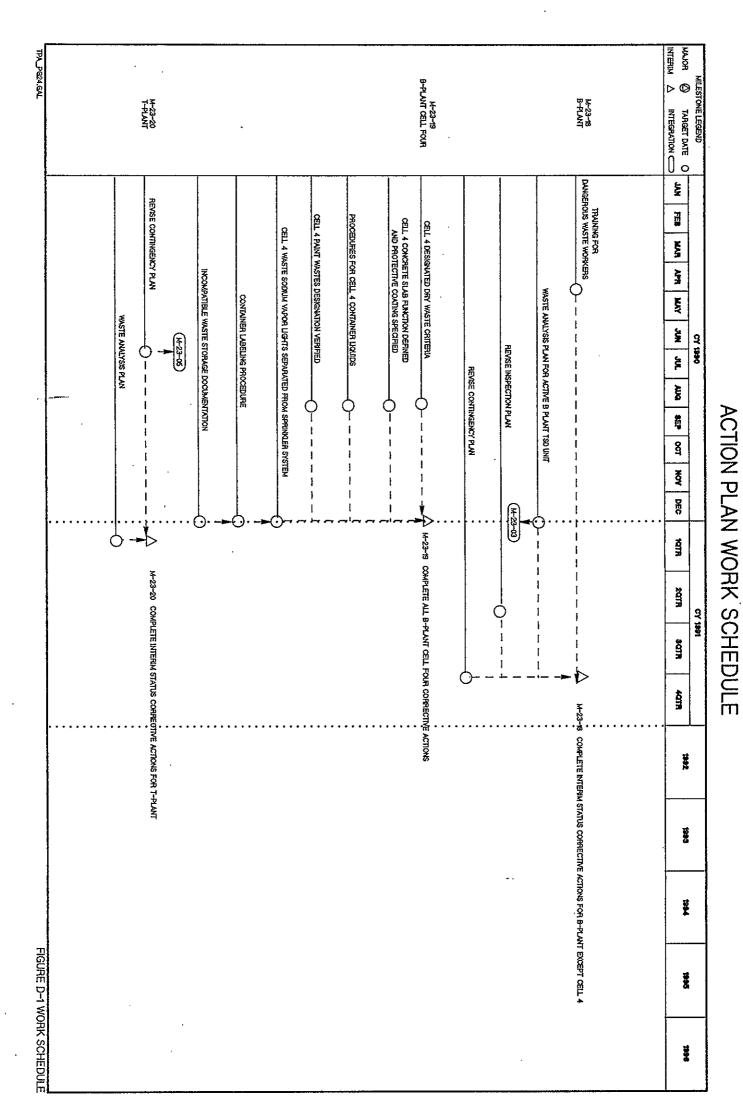
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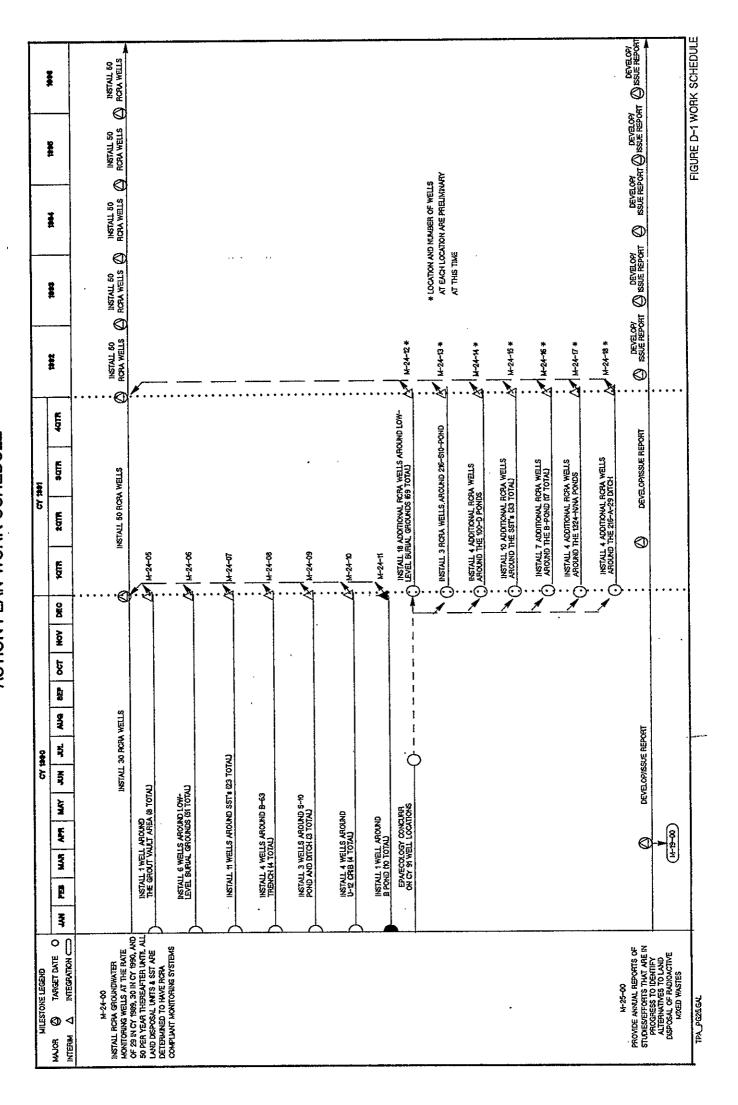
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FEDERAL FACILITY AGREEMENT AND CONSENT ORDER ACTION PLAN WORK SCHEDULE



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